



PαP°CḡPjP°PePsPrPëPSP°PjC-PeP°.

PŸPμCḡC,CḡP°P»C-PS C" PīPsC,CrP¶PSPëPj C,P° CÍPīPμC†PëC,,C-C‡PSPëPj  
C-PSPiC-P±C-C,PSCḡPsPj PSPμPNëCḡPsPSP°P»CHbPSPsPiPs P·P°C...PsPīP»PμPSPSCİ  
CÍPμCḡPsC,PSPSC-PSCr (5-PkPŸ) *in vitro*, CİPePμ PI PsCḡPiP°PSC-P·PjC- C,PIP°CḡPëPS  
PīCḡPëP·PIPsPrPëC,CH PrPs PīPsC,PμPSC†C-CḡPIP°PSPSCİ PμC,,PμPeC,C-PI 5-PkPŸ.  
PŸPμCḡC,CḡP°P»C-PS PjP°C" P»PëCëPμ PrCrP¶Pμ CÍP»P°P±PePëPNë PIPīP»PëPI PSP°  
PīCḡPsC†PμCÍPë P·PIPsCḡPsC,PSPsPiPs PSPμPNëCḡPsPSP°P»CHbPSPsPiPs  
P·P°C...PsPīP»PμPSPSCİ PSPsCḡP°PrCḡPμPSP°P»C-PSCr C,P° PrPsPīP°PjC-PSCr. Pj  
PeP»C-PSC-C‡PSPëC... PrPsP·P°C... CÍPμCḡC,CḡP°P»C-PS P±P»PsPeCrC"  
P·P°C...PsPīP»PμPSPSCİ CÍPμCḡPsC,PSPSC-PSCr Cr C,CḡPsPjP±PsC†PëC,P°C... P»CḡPrPëPSPë.  
PμCḡPμPīP°CḡP°C, PSPμ PīCḡPsCİPIIP»CİC" CÍC,PëPjCrP»CḡCḡC‡PsC—,  
CÍPμPrP°C,PëPIPSPsC—, P°PSC,PëC...PsP»C-PSPμCḡPiC-C‡PSPsC— P°P±Ps  
PeP°CḡPrC-PsC,PsPeCÍPëC‡PSPsC— PrC-C— PI PμPeCÍPīPμCḡPëPjPμPSC,P°C... PSP°  
C,PIP°CḡPëPSP°C.... Pj PePsPSC,CḡPsP»CHbPsPIP°PSPëC... PrPsCÍP»C-PrP¶PμPSPSCİC... P·  
CrC‡P°CÍC,Cḡ P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPSP»CHbC†C-PI CÍPμCḡC,CḡP°P»C-PS PSPμ  
PīCḡPsCİPIIP»CİPI CÍPμPrP°C,PëPIPSPsC— PrC-C— C,P° PSPμ PIPīP»PëPIP°PI PSP°  
PīCÍPëC...PsPjPsC,PSCḡPSC- C,,CrPSPeC†C-C—. P—PiC-PrPSPs P· PIP»P°CÍC,PëPIPëPj PNëPsPjCr  
CÍPμP»PμPeC,PëPIPSPëPj C-PSPiC-P±CrIP°PSPSCİPj P·PIPsCḡPsC,PSPsPiPs  
P·P°C...PsPīP»PμPSPSCİ 5-PkPŸ, CÍPμCḡC,CḡP°P»C-PS PSPμ CÍC,PëPjCrP»CḡC"  
PeP°C,PμC...PsP»P°PjC-PSPμCḡPiC-C‡PSCr P°PeC,PëPIPSC-CÍC,CH. P—P°CÍC-P± PSPμ PjP°C"  
P°C,,C-PSPSPsCÍC,C- PrPs PjCrCÍPeP°CḡPëPSPsPIPëC... (C...PsP»C-PSPμCḡPiC-C‡PSPëC...),  
CÍPμCḡPsC,PSPSC-PSPμCḡPiC-C‡PSPëC..., PrPsC,,P°PjC-PSPμCḡPiC-C‡PSPëC...,  
P°PrCḡPμPSPμCḡPiC-C‡PSPëC..., PiC-CÍC,P°PjC-PSPμCḡPiC-C‡PSPëC..., P"ḡPḡPḡ P°P±Ps  
P±PμPSP·PsPrC-P°P·PμPīC-PSPsPIPëC... CḡPμC†PμPīC,PsCḡC-PI. PŸCḡPëPIP°P»Pμ  
P·P°CÍC,PsCÍCrIP°PSPSCİ CÍPμCḡC,CḡP°P»C-PSCr Cr C,PIP°CḡPëPS PīCḡPëP·PIPsPrPëP»Ps  
PrPs P·PjPμPSCëPμPSPSCİ P°PeC,PëPIPSPsCÍC,C- PSPsCḡP°PrCḡPμPSP°P»C-PSPsPIPëC...  
CḡPμC†PμPīC,PsCḡC-PI PjPsP·PeCr, C%Ps CÍPīPsCÍC,PμCḡC-PiP°C"C,CHbCÍCİ C- PīCḡPë  
P·P°CÍC,PsCÍCrIP°PSPSC- C-PSCëPëC... PμC,,PμPeC,PëPIPSPëC... Cr PeP»C-PSC-C‡PSC-PNë  
PīCḡP°PeC,PëC†C- P°PSC,PëPrPμPīCḡPμCÍP°PSC,C-PI C,P° P°PSC,PëPsP±CÍPμCÍPëPIPSPëC...  
P·P°CÍPsP±C-PI.

PŸPμCḡC,CḡP°P»C-PS PSPμ CÍPīCḡPsC‡PëPSCİC" CḡPsP·PIPëC,PeCr  
PjPμPrPëPeP°PjPμPSC,PsP·PSPsPiPs P·P»PsPIP¶PëPIP°PSPSCİ. Pj PīP»P°C†PμP±Ps-  
PePsPSC,CḡPsP»CHbPsPIP°PSPsPjCr, PīPsPrPIC-PNëPSPsPjCr CÍP»C-PiPsPjCr  
CḡP°PSPrPsPjC-P·PsPIP°PSPsPjCr PrPsCÍP»C-PrP¶PμPSPSC- PīPsCḡC-PIPSCİP»CHbPSPsPiPs  
PīPsC,PμPSC†C-P°P»Cr P·P»PsPIP¶PëPIP°PSPSCİ CÍPμCḡC,CḡP°P»C-PSPsPj,  
P°P»PīCḡP°P·PsP»P°PjPsPj C,P° d-P°PjC,,PμC,P°PjC-PSPsPj Cr P»CḡPrPμPNë  
CÍPμCḡC,CḡP°P»C-PS PSPμ CÍPīCḡPëC‡PëPSPëPI PīPsP·PëC,PëPIPSPëC...  
CÍCrP±bḡ™ C"PeC,PëPIPSPëC... PμC,,PμPeC,C-PI, C%Ps CÍPIC-PrC‡PëP»Pë P± PīCḡPs  
PīPsC,PμPSC†C-P°P» PrPs P·P»PsPIP¶PëPIP°PSPSCİ. PkP°PIPīP°PePë, CrC‡P°CÍPSPëPePë  
PrPsCÍP»C-PrP¶PμPSPSCİ, CİPeC- PīCḡPëPNëPjP°P»Pë CİPe P°P»PīCḡP°P·PsP»P°Pj, C,P°Pe C-  
d-P°PjC,,PμC,P°PjC-PS PīPsCḡC-PIPSCİPSPs P· PīP°C†C-C" PSC,P°PjPë, CİPeC-  
P·P°CÍC,PsCÍPsPICrIP°P»Pë PīP»P°C†PμP±Ps, PjP°P»Pë CÍC,P°C,PëCÍC,PëC‡PSPs  
P·PSP°C‡CrC%Ps PIPëC%C- PīPsPeP°P·PSPëPePë CÍC...PëP»CHbPSPsCÍC,C- PrPs  
P·P»PsPIP¶PëPIP°PSPSCİ, PμPNëC,,PsCḡC-C— C,P° PīPsC,PμPSC†C-PNëPSPsC—  
PjPμPrPëPeP°PjPμPSC,PsP·PSPsC— P·P°P»PμP¶PSPsCÍC,C-. PŸPμCḡC,CḡP°P»C-PS PSPμ  
CÍPīCḡPëC‡PëPSCİC" CÍC,PëPjCrP»CḡCḡC‡PsPiPs PμC,,PμPeC,Cr P°P±Ps PIC-PrC‡CrC,C,Cİ  
C,CḡPëPIPSP¶PSPsCÍC,C-, C...P°CḡP°PeC,PμCḡPSPëC... PrP»Cİ d-P°PjC,,PμC,P°PjC-PSCr,  
P°P±Ps CÍPμPrP°C,PëPIPSPsC— PrC-C— C,P° PīCÍPëC...PsPjPsC,PsCḡPSPëC...  
PīPsCḡCrCëPμPSCḡ, C...P°CḡP°PeC,PμCḡPSPëC... PrP»Cİ P°P»PīCḡP°P·PsP»P°PjCr.

РҮРµСҖС,СҖР°Р»С-PS PSPµ РrС-С" ПI СIРePsСIС,С- PиPsP·PёC,PёPIPSPiPs СIС,PёPjСrP»Сr Сr PjР°PеР°Pе PIPёPrСr СҖРµP·СrСI, PIPёPrСҖРµСIРёСҖСrPIP°PSPёC... СIР°PjPsСIС,С-PNёPSPs PиСҖРёPNёPjР°C,Pё PеPsPеР°C—PS, СIРe С- PSPµ С" Р·Р°PjС-СIРSPёPеPsPj СҖPsP·PиC-Р·PSP°PIP°Р»СҖPSPsPiPs СIС,PёPjСrP»Сr С%PsPrPs d-Р°PjС,,PµC,Р°PjС-PSСr Р°P±Ps С,,PµPSPsP±Р°СҖР±С-С,Р°P»Сr Сr PjР°PеР°Pе-СҖРµP·СrСI.

РлР»Р»С-РSC-С±PSP° РµC,,PµPеC,PёPIPSC-СIС,СҖ С,Р° Р±PµP·PиPµC±PSC-СIС,СҖ

*Р'РµP»PёPеPёPNё PrPµPиСҖРµСIРёPIPSPёPNё СҖPsP·P»Р°Pr*

РµСҖPsPIPsPrPёP»PsСIСI РrPsСIР»С-PrP¶PµPSPSCI Р· СrС±Р°СIС,СҖ Р°PjP±СrP»Р°C,PsСҖPSPёC... PиР°СIС-С"PSC,С-PI Р· PrPµPиСҖРµPµСIС-С"СҖ, Сr СIРePёC... PIC-PrP·PSP°С±Р°P»Р°СIСI PIC-PrPиPsPIC-PrСҖ PSP° C,РµСҖР°PиC-СҖ PrPs Р·Р°PIPµСҖСёPµPSPSCI PиPsС±Р°C,PеPsPIPsC— 8-С,PёP¶PSPµPIPsC— PIC-PrPеСҖPёC,PsC— С,,Р°P·Pё C,РµСҖР°PиC-С— СIРµСҖС,СҖР°Р»С-PSPsPj Сr PrPsP·С- 50-200 PjPi/PrPsP±Сr. PиC- PиР°СIС-С"PSC,Pё (n=295) P±СrP»Pё СҖР°PSPPrPsPjС-Р·PsPIP°PSC- Сr PиСҖСrPиPё Р°P±Ps PrP»C I PиСҖPsPrPsPIP¶PµPSPSC I PиСҖРёPNёPsPjСr СIРµСҖС,СҖР°Р»С-PSСr Сr PrPsP·С- 50-200 PjPi/PrPsP±Сr, Р°P±Ps PrP»C I PиСҖРёPNёPsPjСr PиP»Р°СIРµP±Ps PиСҖPsC,СIРиPsPj 44 C,PёP¶PSC-PI PIC-PrPиPsPIC-PrPSPs PrPs PиPsPrPIC-PNёPSPsPiPs СIР»С- PиPsPiPs PrPsСIР»С-PrP¶PµPSPSC I. P¶Р°СIС,PsC,Р° СҖРµPµC±PёPrPёPIC-PI Сr PиСҖСrPиC- PиР°СIС-С"PSC,С-PI, СIРeC- PиСҖРёPNёPjР°P»Pё PиP»Р°СIРµP±Ps. PҮРµСҖРµPµPrPSC I PrPsP·Р° PI СrС±Р°СIРSPёPеC-PI, СIРeC- Р·Р°PIPµСҖСёPёP»Pё СrС±Р°СIС,СҖ Сr PrPsСIР»С-PrP¶PµPSPSC-, СIС,Р°PSPsPIPёP»Р° 70 PjPi/PrPsP±Сr. P'С-PrСIРsC,PsPе PиР°СIС-С"PSC,С-PI, СIРeC- PIC-PrPиPsPIC-Р»Pё PSP° C,РµСҖР°PиC-СҖ (С%Ps PIPёP·PSP°С±Р°P»PёСIСI СIРe PиР°СIС-С"PSC,Pё, PI СIРePёC... PSPµ СIРиPsСIС,РµСҖС- PиР°PIC I СҖРµPµC±PёPrPёPI) Сr PиСҖСrPиР°C... PиСҖРёPNёPsPjСr СIРµСҖС,СҖР°Р»С-PSСr С- PиP»Р°СIРµP±Ps СIС,Р°PSPsPIPёPI 83,4 % С- 60,8 % PIC-PrPиPsPIC-PrPSPs.

*РµPsСIС,С,СҖР°PIPjР°C,PёC±PSPёPNё СIС,СҖРµPµСIРsPIPёPNё СҖPsP·P»Р°Pr (PµPҮPҮP)*

РҖP±BҖ™С"PrPSP°PSC- PrP°PSC- Р·Р°PиР°P»СҖPSPsC— PеC-Р»СҖPеPsСIС,С- PиР°СIС-С"PSC,С-PI Р· PµPҮPҮP , СIРeC- P±СҖР°P»Pё СrС±Р°СIС,СҖ Сr 3 PrPsСIР»С-PrP¶PµPSPSC I C..., СIРIC-PrС±Р°C,СҖ PиСҖPs PSPёP¶C±PёPNё PIC-PrСIРsC,PsPе PIC-PrPиPsPIC-PrС- PSP° C,РµСҖР°PиC-СҖ СIРµСҖРµPµPr С±PsP»PsPIC-PeC-PI PиPsСҖС-PIPSC I PPs Р· P¶C-PSPeР°PjPё. Pj PrPIPsC... PеP»С-PSС-С±PSPёC... PrPsСIР»С-PrP¶PµPSPSC I C... С-Р· Р·Р°PиР°P»СҖPSPsCҖ PиPsPиСrP»C I C I С-С"СҖ Р· PиPsP·PёC,PёPIPSPёPjPё СҖРµPµP·СrP»СҖC,Р°C,Р°PjPё PIC-PrСIРsC,PsPе PиР°СIС-С"PSC,С-PI, СIРeC- PIC-PrPиPsPIC-Р»Pё PSP° C,РµСҖР°PиC-СҖ, СIРµСҖРµPµPr P¶C-PSPsPе C- С±PsP»PsPIC-PeC-PI Сr PиСҖСrPиР°C... PиР°СIС-С"PSC,С-PI, СIРeC- PиСҖРёPNёPjР°P»Pё СIРµСҖС,СҖР°Р»С-PS, P±СrPI PиPsPrC-Р±PSPёPj PиPsСҖС-PIPSC I PPs Р· PиP»Р°СIРµP±Ps (P¶C-PSPePё: 57,2 % PиPsСҖС-PIPSC I PPs Р· 34,5 %; С±PsP»PsPIC-PePё: 53,9 % PиPsСҖС-PIPSC I PPs Р· 38,2 %). РлС-Р»СҖPеC-СIС,СҖ С±PsP»PsPIC-PeC-PI С- P¶C-PSPsPе СIРµСҖРµPµPr PиР°СIС-С"PSC,С-PI Р·Р°PиР°P»СҖPSPsC— PsP±BҖ™С"PrPSP°PSPsC— PеC-Р»СҖPеPsСIС,С- PrPsСIР»С-PrP¶PµPSPSC I СIС,Р°PSPsPIPёP»Р° 184 С- 430 PIC-PrPиPsPIC-PrPSPs, PиСҖPё C I СҖPµP·СrP»СҖC,Р°C,Pё Сr P¶C-PSPsPе P±СrP»Pё P±С-Р»СҖСё PиPsСIС,С-PNёPSPёPjPё, Р° Сr С±PsP»PsPIC-PeC-PI PSP° PиPsС±Р°C,PеPsPIPsPjСr СҖС-PIPSC- СIРиPsСIС,РµСҖС- PиР°P»PёСIСI С-PSСёC- Р·PjС-PSPSC- PиР°СҖР°PjPµC,СҖPё (P±С-Р»СҖСёPµ Р·P»PsPIP¶PёPIP°PSPSC I СҖРµPµC±PsPIPёPSP°PjPё, P±С-Р»СҖСёP° C,СҖPёPIP°P»С-СIС,СҖ Р·Р°C... PиPsСҖСҖPиP°PSPSC I, PиСҖPёC±PёPSP° C,СҖР°PIPjPё), С%Ps

PePsC<sub>7</sub>P<sub>μ</sub>P»C<sub>7</sub>PIP°P»Pë P· PjP<sub>μ</sub>PSCεPsC<sub>7</sub> P<sub>μ</sub>C,,P<sub>μ</sub>PeC,PëPIPSC-CÍC,C<sub>7</sub> PíC<sub>7</sub>P<sub>μ</sub>PíP°C<sub>7</sub>P°C,C<sub>7</sub>.

*PhP<sub>7</sub>P C<sub>7</sub> PíP°C<sub>7</sub>C-C°PSC,C-PI PrPëC,C<sub>7</sub>C<sub>7</sub>PsPiPs PIC-PeC<sub>7</sub>*

P°P<sub>μ</sub>P·PíP<sub>μ</sub>PeP° C,P° P<sub>μ</sub>C,,P<sub>μ</sub>PeC,PëPIPSC-CÍC,C<sub>7</sub> CÍP<sub>μ</sub>C<sub>7</sub>C,C<sub>7</sub>P°P»C-PSCÍ  
(50-200 PjPi/PrPsP±C<sub>7</sub>) PIPëPIC±P°P»PëCÍC<sub>7</sub> PíC<sub>7</sub>Pë P»C-PeC<sub>7</sub>PIP°PSPSC- PrC-C,P<sub>μ</sub>PN<sub>6</sub> (6-12  
C<sub>7</sub>PsPeC-PI) C- PíC-PrP»C-C,PeC-PI (13-17 C<sub>7</sub>PsPeC-PI), C<sub>7</sub>PeC- PSP<sub>μ</sub> PjP°P»Pë  
PrP<sub>μ</sub>PíC<sub>7</sub>P<sub>μ</sub>CÍC-C— C,P° PíP<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>P±C<sub>7</sub>PIP°P»Pë PSP° P°PjP±C<sub>7</sub>P»P°C,PsC<sub>7</sub>PSPsPjC<sub>7</sub>  
P»C-PeC<sub>7</sub>PIP°PSPSC- P· PíC<sub>7</sub>PëPIPPrC<sub>7</sub> PsP±CÍP<sub>μ</sub>CÍPëPIPSPs-PePsPjPíC<sub>7</sub>P»C<sub>7</sub>CÍPëPIPSPsPiPs  
C<sub>7</sub>PsP·P»P°PrC<sub>7</sub> (PhP<sub>7</sub>P ). P<sub>7</sub>P<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>P· 1 C,PëP<sub>7</sub>PrP<sub>μ</sub>PSC<sub>7</sub> PIPsPrPSPsPiPs PíP<sub>μ</sub>C<sub>7</sub>C-PsPrC<sub>7</sub>  
PsPrPSPsCÍC,PsC<sub>7</sub>PsPSPSC<sub>7</sub>PsPiPs CÍP»C-PiPsPiPs PíC<sub>7</sub>PëPN<sub>6</sub>PsPjC<sub>7</sub> PíP»P°C<sub>7</sub>P<sub>μ</sub>P±Ps  
PíP°C<sub>7</sub>C-C°PSC,C-PI C<sub>7</sub>P°PSPPrPsPjC-P·C<sub>7</sub>PIP°P»Pë C<sub>7</sub> PíC<sub>7</sub>C<sub>7</sub>PíPë PíC<sub>7</sub>PëPN<sub>6</sub>PsPjC<sub>7</sub>  
CÍP<sub>μ</sub>C<sub>7</sub>C,C<sub>7</sub>P°P»C-PSC<sub>7</sub> P°P±Ps PíP»P°C<sub>7</sub>P<sub>μ</sub>P±Ps PíC<sub>7</sub>PsC,C<sub>7</sub>PePsPj 12 C,PëP<sub>7</sub>PSC-PI P·  
PiPSC<sub>7</sub>C±PePëPj PrPsP·C<sub>7</sub>PIP°PSPSC<sub>7</sub>Pj PíC<sub>7</sub>P<sub>μ</sub>PíP°C<sub>7</sub>P°C,C<sub>7</sub>. P°C-C,Pë (PIC-PePsPj 6-12  
C<sub>7</sub>PsPeC-PI) C<sub>7</sub>PsP·PíPsC±PëPSP°P»Pë P·P°CÍC,PsCÍC<sub>7</sub>PIP°PSPSC<sub>7</sub> PíC<sub>7</sub>P<sub>μ</sub>PíP°C<sub>7</sub>P°C,C<sub>7</sub> P·  
PrPsP·Pë 25 PjPi. Pj PíP°C<sub>7</sub>C-C°PSC,C-PI, C<sub>7</sub>PeC- P±C<sub>7</sub>P»Pë C<sub>7</sub>P°PSPPrPsPjC-P·PsPIP°PSC- C<sub>7</sub>  
PíC<sub>7</sub>C<sub>7</sub>PíC<sub>7</sub> PíC<sub>7</sub>PëPN<sub>6</sub>PsPjC<sub>7</sub> CÍP<sub>μ</sub>C<sub>7</sub>C,C<sub>7</sub>P°P»C-PSC<sub>7</sub>, CÍPíPsCÍC,P<sub>μ</sub>C<sub>7</sub>C-PiP°P»PsCÍC<sub>7</sub>  
CÍC,P°C,PëCÍC,PëC±PSPs P·PSP°C±C<sub>7</sub>C%<sub>0</sub>P<sub>μ</sub> PíPsPeC<sub>7</sub>P°C%<sub>0</sub>P°PSPSC<sub>7</sub>, PSC-P<sub>7</sub> C<sub>7</sub>  
PíP°C<sub>7</sub>C-C°PSC,C-PI, C<sub>7</sub>PeC- PsC,C<sub>7</sub>PëPjC<sub>7</sub>PIP°P»Pë PíP»P°C<sub>7</sub>P<sub>μ</sub>P±Ps, PIC-PrPíPsPIC-PrPSPs  
PrPs PsC<sub>7</sub>C-PSPePë P·P° P°PëC,C<sub>7</sub>C±PsC<sub>7</sub> PsP±CÍP<sub>μ</sub>CÍPëPIPSPs-PePsPjPíC<sub>7</sub>P»C<sub>7</sub>CÍPëPIPSPsC<sub>7</sub>  
CεPeP°P»PsC<sub>7</sub> P<sup>TM</sup> P<sub>μ</sub>P»C<sub>7</sub>P-C<sub>7</sub>P°C<sub>7</sub>PSP° CY-BOCS (p=0,005), P°P»PsP±P°P»C<sub>7</sub>HPSPsC<sub>7</sub>  
PsP±CÍP<sub>μ</sub>CÍPëPIPSPs-PePsPjPíC<sub>7</sub>P»C<sub>7</sub>CÍPëPIPSPsC<sub>7</sub> CεPeP°P»PsC<sub>7</sub>  
P<sub>7</sub>K°C<sub>7</sub>C-PsPSP°P»C<sub>7</sub>HPSPsPiPs C-PSCÍC,PëC,C<sub>7</sub>C,C<sub>7</sub> PíC<sub>7</sub>PëC...C-C±PSPsPiPs  
P·PrPsC<sub>7</sub>PsPíB<sub>7</sub><sup>TM</sup> C<sub>7</sub> (NIMH) (p=0,019) C,P° CεPeP°P»PsC<sub>7</sub> B«P—P°PiP°P»C<sub>7</sub>HPSP°  
PeP»C-PSC-C±PSP° PsC<sub>7</sub>C-PSPeP° B<sub>7</sub>“ PíPsPeC<sub>7</sub>P°C%<sub>0</sub>P<sub>μ</sub>PSPSC<sub>7</sub>IB» (p=0,002). P<sub>7</sub>C<sub>7</sub>C-Pj  
C,PsPiPs, C<sub>7</sub> PíP°C<sub>7</sub>C-C°PSC,C-PI C<sub>7</sub> PíC<sub>7</sub>C<sub>7</sub>PíC- PíC<sub>7</sub>PëPN<sub>6</sub>PsPjC<sub>7</sub> CÍP<sub>μ</sub>C<sub>7</sub>C,C<sub>7</sub>P°P»C-PSC<sub>7</sub>  
PíPsC<sub>7</sub>C-PIPSC<sub>7</sub>IPSPs P· PíC<sub>7</sub>C<sub>7</sub>PíPsC<sub>7</sub> PíC<sub>7</sub>PëPN<sub>6</sub>PsPjC<sub>7</sub> PíP»P°C<sub>7</sub>P<sub>μ</sub>P±Ps  
CÍPíPsCÍC,P<sub>μ</sub>C<sub>7</sub>C-PiP°P»P°CÍC<sub>7</sub> C,P<sub>μ</sub>PSPPrP<sub>μ</sub>PSC<sub>7</sub>C-C<sub>7</sub> PrPs P±C-P»C<sub>7</sub>CεPsPiPs  
PíPsPeC<sub>7</sub>P°C%<sub>0</sub>P<sub>μ</sub>PSPSC<sub>7</sub> P·P° CεPeP°P»PsC<sub>7</sub> B«P—P°PiP°P»C<sub>7</sub>HPSP° PeP»C-PSC-C±PSP°  
PsC<sub>7</sub>C-PSPeP° B<sub>7</sub>“ C,C<sub>7</sub>PeC-CÍC,C<sub>7</sub> P·P°C...PIPSC<sub>7</sub>C<sub>7</sub>PIP°PSPSC<sub>7</sub>IB» (p=0,089).  
P<sub>7</sub>Y<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>PrPSC<sub>7</sub> PeC-P»C<sub>7</sub>HPeC-CÍC,C<sub>7</sub> P±P°P»C-PI P·P° CεPeP°P»PsC<sub>7</sub> CY-BOCS PSP°  
PíPsC±P°C,PePsPIPPrC<sub>7</sub> C<sub>7</sub>C-PIPSC- C,P° CÍP<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>PrPSC<sub>7</sub> P·PjC-PSP° PeC-P»C<sub>7</sub>HPePsCÍC,C-  
P±P°P»C-PI PíPsC<sub>7</sub>C-PIPSC<sub>7</sub>IPSPs P· PíPsC±P°C,PePsPIPëPj C<sub>7</sub>C-PIPSP<sub>μ</sub>Pj C<sub>7</sub> PíC<sub>7</sub>C<sub>7</sub>PíC-  
PíP°C<sub>7</sub>C-C°PSC,C-PI, C<sub>7</sub>PeC- PsC,C<sub>7</sub>PëPjC<sub>7</sub>PIP°P»Pë PíP»P°C<sub>7</sub>P<sub>μ</sub>P±Ps, CÍC,P°PSPsPIPëP»Pë  
22,25B±6,15 C- - 3,4B±0,82 PIC-PrPíPsPIC-PrPSPs, C<sub>7</sub> C,PsPN<sub>6</sub> C±P°CÍ, C<sub>7</sub>Pe C<sub>7</sub> PíC<sub>7</sub>C<sub>7</sub>PíC-  
PíP°C<sub>7</sub>C-C°PSC,C-PI, C<sub>7</sub>PeC- PsC,C<sub>7</sub>PëPjC<sub>7</sub>PIP°P»Pë CÍP<sub>μ</sub>C<sub>7</sub>C,C<sub>7</sub>P°P»C-PS, CÍP<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>PrPSC<sub>7</sub>  
PeC-P»C<sub>7</sub>HPeC-CÍC,C<sub>7</sub> P±P°P»C-PI PSP° PíPsC±P°C,PePsPIPPrC<sub>7</sub> C<sub>7</sub>C-PIPSC- C,P°  
CÍP<sub>μ</sub>C<sub>7</sub>P<sub>μ</sub>PrPSC<sub>7</sub> P·PjC-PSP° PeC-P»C<sub>7</sub>HPePsCÍC,C- P±P°P»C-PI PíPsC<sub>7</sub>C-PIPSC<sub>7</sub>IPSPs P·  
PíPsC±P°C,PePsPIPëPj C<sub>7</sub>C-PIPSP<sub>μ</sub>Pj CÍC,P°PSPsPIPëP»Pë 23,36B±4,56 C- - 6,8B±0,87  
PIC-PrPíPsPIC-PrPSPs. Pj post-hoc P°PSP°P»C-P-C- PIC-PrCÍPsC,PsPe PíP°C<sub>7</sub>C-C°PSC,C-PI,  
C<sub>7</sub>PeC- PIC-PrPíPsPIC-P»Pë PSP° C,P<sub>μ</sub>C<sub>7</sub>P°PíC-C<sub>7</sub> C,P° PIPëP·PSP°C±P°P»PëCÍC<sub>7</sub> C<sub>7</sub>Pe  
PíP°C<sub>7</sub>C-C°PSC,Pë P·C- P·PSPëP<sub>7</sub>P<sub>μ</sub>PSPSC<sub>7</sub>Pj PSP° 25 % (P°P±Ps P±C-P»C<sub>7</sub>CεP<sub>μ</sub>)  
PeC-P»C<sub>7</sub>HPePsCÍC,C- P±P°P»C-PI P·P° CεPeP°P»PsC<sub>7</sub> CY-BOCS (PíP<sub>μ</sub>C<sub>7</sub>PIPëPSPSPëPN<sub>6</sub>  
PíP°C<sub>7</sub>PjP<sub>μ</sub>C,C<sub>7</sub> P<sub>μ</sub>C,,P<sub>μ</sub>PeC,PëPIPSPsCÍC,C-) PIC-Pr PíPsPeP°P·PSPëPeC-PI  
PíPsC±P°C,PePsPIPPrC<sub>7</sub> C<sub>7</sub>C-PIPSC<sub>7</sub> PrPs PeC-PSC<sub>7</sub>P<sub>μ</sub>PIPSc— C,PsC±PePë, CÍC,P°PSPsPIPëPI 53  
% C<sub>7</sub> PíC<sub>7</sub>C<sub>7</sub>PíC- PíC<sub>7</sub>PëPN<sub>6</sub>PsPjC<sub>7</sub> CÍP<sub>μ</sub>C<sub>7</sub>C,C<sub>7</sub>P°P»C-PSC<sub>7</sub> PíPsC<sub>7</sub>C-PIPSC<sub>7</sub>IPSPs P· 37 % C<sub>7</sub>  
PíC<sub>7</sub>C<sub>7</sub>PíC- PíP»P°C<sub>7</sub>P<sub>μ</sub>P±Ps (C<sub>7</sub>=0,03).

P°P°PSC- C%<sub>0</sub>PsPrPs PrPsPIPíPsCÍC,C<sub>7</sub>PsPePsPIPSc— P±P<sub>μ</sub>P·PíP<sub>μ</sub>PePë C,P°  
P<sub>μ</sub>C,,P<sub>μ</sub>PeC,PëPIPSPsCÍC,C- PíC<sub>7</sub>P<sub>μ</sub>PíP°C<sub>7</sub>P°C,C<sub>7</sub> C<sub>7</sub> C<sub>7</sub> C<sub>7</sub>C-PN<sub>6</sub> PíPsPíC<sub>7</sub>P»C<sub>7</sub>C<sub>7</sub>C<sub>7</sub>C-C—  
PíP°C<sub>7</sub>C-C°PSC,C-PI PrPëC,C<sub>7</sub>C±PsPiPs PIC-PeC<sub>7</sub> PIC-PrCÍC<sub>7</sub>C,PSC-. P°P°PSC- PíC<sub>7</sub>Ps

P·P°CÍC,PsCÍCfPIP°PSPSCÍ CÍPµCĤC,CĤP°P»C-PSCf PrC-C,CÍPj PIC-PePsPj PrPs 6  
CĤPsPeC-PI PIC-PrCÍCfC,PSC-.

PαP°CĤPjP°PePsPeC-PSPµC,PëPeP°.

PĥP±CÍPsCĤP±C†C-CÍ

PαP°CĤPjP°PePsPeC-PSPµC,PëPeP° CÍPµCĤC,CĤP°P»C-PSCf CÍ PrC-P°PïP°P·PsPSC- PrPsP·  
PIC-Pr 50 PrPs 200 PjPi C” PrPsP·PsP·P°P»PµP¶PSPsCĤ. PµCĤPsC,CÍPiPsPj 14-PrPµPSPSPsPiPs  
PiCĤPëPµPjCÍ CÍPµCĤC,CĤP°P»C-PSCf C-P· PrPsP·CfPIP°PSPSCÍPj 50-200 PjPi  
(PiPµCĤPsCĤP°P»CĤPSPs, 1 CĤP°P· PSP° PrPsP±Cf) CÍ P»CĤPrPµPµ, PiC-Pe  
PePsPSC†PµPSC,CĤP°C†C-C— CÍPµCĤC,CĤP°P»C-PSCf CÍ PiP»P°P·PjC- PeCĤPsPIC-  
PrPsCÍCÍPiP°C”C,CĤCÍCÍ C†PµCĤPµP· 4,5-8,4 PiPsPrPëPSPë PiC-CÍP»CÍ  
C%PsPrPµPSPSPsPiPs PiCĤPëPµPjCÍ PiCĤPµPiP°CĤP°C,Cf. P†P¶P° CÍCfC,C,C”PIPs PSPµ  
P·PjC-PSCĤ” P±C-PsPrPsCÍC,CfPiPSC-CÍC,CĤ CÍPµCĤC,CĤP°P»C-PSCf CÍ  
C,P°P±P»PµC,PeP°C....

P PsP·PiPsPrC-P»

PµCĤPëP±P»PëP·PSPs 98 % C†PëCĤPeCfP»CĤCĤC†PsPiPs CÍPµCĤC,CĤP°P»C-PSCf  
P·PiBĤ™ CÍP·CfC”C,CĤCÍCÍ P· P±C-P»PeP°PjPë PiP»P°P·PjPë PeCĤPsPIC-.

P’C-PsC,CĤP°PSCÍC,,PsCĤPjP°C†C-CÍ

PŸPµCĤC,CĤP°P»C-PS P·P°P·PSP°C” C-PSC,PµPSCÍPëPIPSPsPiPs PiCĤPµCÍPëCÍC,PµPjPSPsPiPs  
PjPµC,P°P±PsP»C-P·PjCf (B«PµC,,PµPeC, PiPµCĤC€PsPiPs PiCĤPsC...PsPrP¶PµPSPSCÍB») CÍ  
PiPµC†C-PSC†C-.

P’P°P·CfCĤC†PëCÍCĤ PSP° PrP°PSPëC... PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSCĤ C,P°  
PrPsCÍP»C-PrP¶PµPSCĤ *in vitro*, PjPsP¶PSP° P·CĤPsP±PëC,Pë PIPëCÍPSPsPiPsPe, C%Ps  
CÍPµCĤC,CĤP°P»C-PS PjPµC,P°P±PsP»C-P·CfC”C,CĤCÍCÍ P±P°PiP°C,CĤPjP°  
C€P»CÍC...P°PjPë, CÍ C,PsPjCf C†PëCÍP»C- P·P° CfC†P°CÍC,CĤ C,,PµCĤPjPµPSC,C-PI CYP3A4,  
CYP2C19 C,P° CYP2B6 (PrPëPI. CĤPsP·PrC-P» B«P’P·P°C”PjPsPrC-CÍ P· C-PSC€PëPjPë  
P»C-PeP°CĤCÍCĤPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PµB»).

PŸPµCĤC,CĤP°P»C-PS C,P° PµPsPiPs PsCÍPSPsPiPsPëPµ PjPµC,P°P±PsP»C-C,  
PrPµP·PjPµC,PëP»CÍPµCĤC,CĤP°P»C-PS C,P°PePsP¶ C” CÍCfP±CÍC,CĤP°C,P°PjPë P -  
PiP»C-PePsPiCĤPsC,PµC—PSCf PI CÍPjPsPiP°C... *in vitro*.

P·P»C-PjC-PSP°C†C-CÍ

PŸPµCĤPµPrPSC-Pµ PiPµCĤC-PsPr PSP°PiC-PIPIPëPIPµPrPµPSPSCÍ CÍPµCĤC,CĤP°P»C-PSCf  
CÍC,P°PSPsPiPëC,CĤ PiCĤPëP±P»PëP·PSPs 26 PiPsPrPëPS (CÍ PrC-P°PïP°P·PsPSC- PIC-Pr 22  
PrPs 36 PiPsPrPëPS). P’C-PrPiPsPIC-PrPSPs PrPs C,PµCĤPjC-PSP°P»CĤPSPsPiPs  
PiPµCĤC-PsPrCf PSP°PiC-PIPIPëPIPµPrPµPSPSCÍ CÍPiPsCÍC,PµCĤC-PiP°C”C,CĤCÍCÍ  
PeCfPjCfP»CÍC†C-CÍ PiCĤPµPiP°CĤP°C,Cf (P·C- P·P±C-P»CĤC€PµPSPSCÍPj PµPsPiPs  
CĤC-PIPSCÍ PiCĤPëP±P»PëP·PSPs PIPrPIC-C†C-) PiCĤPë PrPsCÍCÍPiPSPµPSPSC-  
CĤC-PIPSPsPiP°P¶PSPëC... PePsPSC†PµPSC,CĤP°C†C-Pµ, CÍPeC-  
CÍPiPsCÍC,PµCĤC-PiP°CĤC,CĤCÍCÍ PiC-CÍP»CÍ P·P°CÍC,PsCÍCfPIP°PSPSCÍ  
PiCĤPµPiP°CĤP°C,Cf CÍ PrPsP·C- 1 CĤP°P· PSP° PrPsP±Cf PiCĤPsC,CÍPiPsPj 1 C,PëP¶PSCÍ.  
PµPµCĤC-PsPr PSP°PiC-PIPIPëPIPµPrPµPSPSCÍ PrP»CÍ N-

PrPμP·PjPμC, PēP»CΓPμCḡC, CḡP°P»C-PSCr CΓC, P°PSPsPIPēC, Cḡ 62-104 PiPsPrPēPSPē.  
PŸPμCḡC, CḡP°P»C-PS C, P° N-PrPμP·PjPμC, PēP»CΓPμCḡC, CḡP°P»C-PS C-PSC, PμPSCΓPēPIPSPs  
PjPμC, P°P±PsP»C-P·CfCḡC, CḡCΓCḡ PI PsCḡPiP°PSC-P·PjC- P»CḡPrPēPSPē, C—C...  
PeC-PSC†PμPIC- PjPμC, P°P±PsP»C-C, Pē PIPēPIPsPrCḡC, CḡCΓCḡ P· PeP°P»PsPj C, P°  
CΓPμC±PμCḡ PI PsPrPSP°PePsPIPēC... PeC-P»CḡPePsCΓC, CḡC... PŸC-P»CḡPePē PrCfP¶Pμ  
PSPμP·PSP°C±PSP° C±P°CΓC, PēPSP° (< 0,2 %) CΓPμCḡC, CḡP°P»C-PSCr PIPēPIPsPrPēC, CḡCΓCḡ  
P· CΓPμC±PμCḡ Cḡ PSPμP·PjC-PSPμPSPsPjCḡ PIPēPiP»CḡPrC-.

*PαP°CḡPjP°PePsPeC-PSPμC, PēPeP° PI PsPeCḡPμPjPēC... PiCḡCáPiP°C... PiP°C†C-C''PSC, C-PI*

*P''C-C, Pē P· PhPḡP*

PαP°CḡPjP°PePsPeC-PSPμC, PēPeP° CΓPμCḡC, CḡP°P»C-PSCr PIPēPIC±P°P»P°CΓCḡ Cḡ 29  
PrC-C, PμPNē PIC-PePsPj 6-12 CḡPsPeC-PI C, P° Cḡ 32 PiC-PrP»C-C, PeC-PI PIC-PePsPj 13-17  
CḡPsPeC-PI. Pj C†PēC... PiP°C†C-C''PSC, C-PI PiPsCΓC, CḡPiPsPIPs P·P±C-P»CḡCēCfPIP°P»Pē  
PrPsP·Cḡ CēP»CḡC... PsPj C—C— C, PēC, CḡCfPIP°PSPSCḡ PrPs PrPsP±PsPIPsC— PrPsP·Pē  
200 PjPi PiCḡPsC, CḡPiPsPj 32 PrPSC-PI, PiPsC±PēPSP°CḡC±Pē P· PrPsP·Pē P°P±Ps 25 PjPi,  
P°P±Ps 50 PjPi P· PiPsCΓC, CḡPiPsPIPēPj P·P±C-P»CḡCēPμPSPSCḡPj. PμCḡPē  
P·P°CΓC, PsCΓCfPIP°PSPSC- PiCḡPμPiP°CḡP°C, Cḡ Cḡ PrPsP·P°C... 25 PjPi C, P° 50 PjPi  
PiPμCḡPμPSPsCΓPēPjC-CΓC, Cḡ P±CfP»P° PsPrPSP°PePsPIPsCḡ. Pj CḡC-PIPsPPIP°P¶PSPsPjCḡ  
CΓC, P°PSC- PiCḡPē P·P°CΓC, PsCΓCfPIP°PSPSC- PiCḡPμPiP°CḡP°C, Cḡ Cḡ PrPsP·C- 200 PjPi  
PePsPSC†PμPSC, CḡP°C†C-C— CΓPμCḡC, CḡP°P»C-PSCr Cḡ PiP»P°P·PjC- PeCḡPsPIC- Cḡ  
PiCḡCfPiC- PrC-C, PμPNē PIC-PePsPj 6-12 CḡPsPeC-PI P±CfP»Pē PiCḡPēP±P»PēP·PSPs PSP° 35 %  
PIPēC%oC- PiPsCḡC-PIPsCḡPSPs P· C, P°PePēPjPē Cḡ PiCḡCfPiC- PiP°C†C-C''PSC, C-PI PIC-PePsPj  
13-17 CḡPsPeC-PI C- PSP° 21 % PIPēC%oC- PiPsCḡC-PIPsCḡPSPs P· CḡPμC,, PμCḡPμPSC, PSPsCḡ  
PiCḡCfPiPsCḡ PrPsCḡPsCΓP»PēC... PkPμ CΓPiPsCΓC, PμCḡC-PIP°P»PsCΓCḡ  
P·PSP°C±CfC%oPēC... PIC-PrPjC-PSPSPsCΓC, PμPNē PjC-P¶ PiPsPeP°P·PSPēPeP°PjPē  
PeP»C-CḡPμPSCΓCḡ Cḡ C...P»PsPiC±PēPeC-PI C, P° PrC-PIC±P°C, PsPe. PŸP°PePēPj C±PēPSPsPj,  
PrP»Cḡ P·P°CΓC, PsCΓCfPIP°PSPSCḡ PiCḡPμPiP°CḡP°C, Cḡ PrC-C, CḡPj, PsCΓCfPSP±P»PēPIPs P·  
PSPēP·CḡPePsCḡ PjP°CΓPsCḡ C, C-P»P°, CḡPμPePsPjPμPSPrCḡC, CḡCΓCḡ PSPēP·CḡPeP°  
PiPsC±P°C, PePsPIP° PrPsP·P° C- C—C— P·P±C-P»CḡCēPμPSPSCḡ PiCḡPē  
C, PēC, CḡCfPIP°PSPSC- PrPsP·Pē P· PeCḡPsPePsPj Cḡ 25 PjPi. PμC-PrP»C-C, PeP°Pj PjPsP¶PSP°  
P·P°CΓC, PsCΓCfPIP°PSPSCḡ, Pē C, P°PeC- P¶ PrPsP·Pē, C%oPs PNē PrPsCḡPsCΓP»PēPj.

*PμC-PrP»C-C, PePē C, P° PiP°C†C-C''PSC, Pē P»C-C, PSCHPsPiPs PIC-PeCá*

PαP°CḡPjP°PePsPeC-PSPμC, PēC±PSPēPNē PiCḡPsC,, C-P»Cḡ CΓPμCḡC, CḡP°P»C-PSCr Cḡ  
PiC-PrP»C-C, PeC-PI C, P° PI PsCΓC-P± P»C-C, PSCHPsPiPs PIC-PeCḡ P·PSP°C±CfC%oPμ PSPμ  
PIC-PrCḡC-P·PSCḡC, CḡCΓCḡ PIC-Pr C, P°PePsPiPs Cḡ PrPsCḡPsCΓP»PēC... PIC-PePsPj 18-65  
CḡPsPeC-PI.

*PμPsCḡCáCēPμPSPSCḡ C,, CáPSPeC†C-PNē PiPμC±C-PSPePē*

Pj PiP°C†C-C''PSC, C-PI P· CḡCēPePsPrP¶PμPSPSCḡPj PiPμC±C-PSPePē PiPμCḡC-PsPr  
PSP°PiC-PIPIPēPIPμPrPμPSPSCḡ CΓPμCḡC, CḡP°P»C-PSCr PiPsPrPsPIP¶CḡC, CḡCΓCḡ C-  
PiP»PsC%oP° PiC-Pr C,, P°CḡPjP°PePsPeC-PSPμC, PēC±PSPsCḡ PeCḡPēPIPsCḡ (AUC)  
P·P±C-P»CḡCēCfC''C, CḡCΓCḡ PIC, CḡPēC±C- (PrPēPI. CḡPsP·PrC-P»Pē B«PŸPiPsCΓC-P±  
P·P°CΓC, PsCΓCfPIP°PSPSCḡ C, P° PrPsP·PēB» C, P° B«PhCΓCfPsP±P»PēPIPsCΓC, C-  
P·P°CΓC, PsCΓCfPIP°PSPSCḡB»).

*PμPsCḡCáCēPμPSPSCḡ C,, CáPSPeC†C-PNē PSPēCḡPsPe*

PJ PiP°C†C-C''PSC,C-PI C-P. PiPsCḡCfC€PμPSPSCḡPj C,,CfPSPeC†C-C— PSPëCḡPsPe  
PiPsPjC-CḡPSPsPiPs P°P±Ps C,CḡP¶PePsPiPs C†C,CfPiPμPSCḡ PSPμ  
PIC-PrP·PSP°C†P°P»PsC†Cḡ P·PSP°C†CfC%PsC— PeCfPjCfP»CḡC†C-C—  
C†PμCḡC,CḡP°P»C-PSCf.

*PαP°CḡPjP°PePsPiPμPSPsPjC-PeP°*

P' PsC†C-P± P· PiPsPIC-P»CHḡPSPëPj PjPμC,P°P±PsP»C-P·PjPsPj CYP2C19 CḡC-PIPSC-  
C†PμCḡC,CḡP°P»C-PSCf PI PiP»P°P·PjC- PeCḡPsPIC- P±CfP»Pë PiCḡPëP±P»PëP·PSPs PSP° 50 %  
PIPëC%oC- PiPsCḡC-PIPSCḡPSPs P· PsC†PsP±P°PjPë P· C€PIPëPrPePëPj  
PjPμC,P°P±PsP»C-P·PjPsPj CYP2C19. PḡP»C-PSC-C†PSPμ P·PSP°C†PμPSPSCḡ C†CHḡPsPiPs  
CḡPIPëC%oP° PSPμ P·Bḡ™ CḡC†PsPIP°PSPμ, C,PsPjCf C,PëC,CḡCfPIP°PSPSCḡ PrPsP·Pë  
PiPsC,CḡC-P±PSPμ, P·P°P»PμP¶PSPs PIC-Pr PeP»C-PSC-C†PSPsC— PIC-PrPiPsPIC-PrC-  
PiP°C†C-C''PSC,P°.

**PḡP»C-PSC-C†PSC- C...P°CḡP°PeC,PμCḡPëC†C,PëPePë.**

***PμPsPeP°P·P°PSPSCḡ.***

PŸPμCḡC,CḡP°P»C-PS PiPsPeP°P·P°PSPëPNḡ PrP»Cḡ P»C-PeCfPIP°PSPSCḡ  
PSP°C†C,CfPiPSPëC... CḡPsP·P»P°PrC-PI :

- P'PμP»PëPeC- PrPμPiCḡPμC†PëPIPSC- PμPiC-P·PsPrPë. P—P°PiPsP±C-PiP°PSPSCḡ  
CḡPμC†PëPrPëPICf PIPμP»PëPePëC... PrPμPiCḡPμC†PëPIPSPëC... PμPiC-P·PsPrC-PI.
- PμP°PSC-C†PSC- CḡPsP·P»P°PrPë P· PSP°CḡPIPSC-C†C,Cḡ P°P±Ps  
PIC-PrC†CfC,PSC-C†C,Cḡ P°PiPsCḡP°C,,PsP±C-C—.
- PhP±C†PμC†PëPIPSPs-PePsPjPiCfP»CHḡC†PëPIPSPëPNḡ CḡPsP·P»P°Pr (PhPḡP ) Cf  
PrPsCḡPsC†P»PëC... C,P° PrC-C,PμPNḡ PIC-PePsPj 6-17 CḡPsPeC-PI.
- PŸPsC†C-P°P»CHḡPSPëPNḡ C,CḡPëPIPSP¶PSPëPNḡ CḡPsP·P»P°Pr.
- PμPsC†C,C,CḡP°PIPjP°C,PëC†PSPëPNḡ C†C,CḡPμC†PsPIPëPNḡ CḡPsP·P»P°Pr (PμPŸPŸP ).

***PμCḡPsC,PëPiPsPeP°P·P°PSPSCḡ.***

PμC-PrPIPëC%oPμPSP° C†CfC,P»PëPIC-C†C,Cḡ PrPs PrC-CḡC†PsC— CḡPμC†PsPIPëPSPë P°P±Ps  
PrPs P±CfPrCHḡ-CḡPePsC— P· PrPsPiPsPjC-P¶PSPëC... CḡPμC†PsPIPëPS.

PμCḡPsC,PëPiPsPeP°P·P°PSPμ P·P°C†C,PsC†CfPIP°PSPSCḡ C†PμCḡC,CḡP°P»C-PSCf CḡP°P·PsPj  
P· C-PSPiC-P±C-C,PsCḡP°PjPë PjPsPSPsP°PjC-PSPsPsPeC†PëPrP°P·Pë (PḡPḡPḡ)  
PSPμP·PIPSCḡPsC,PSPsC— PrC-C— Cf P·PiBḡ™ CḡP·PeCf P· CḡPëP·PëPePsPj CḡPsP·PIPëC,PeCf  
C†PμCḡPsC,PsPSC-PSPsPiPsPiPs C†PëPSPrCḡPsPjCf P· PiCḡPsCḡPIP°PjPë C,P°PePëC...  
C†PëPjPiC,PsPjC-PI CḡPe P·P±CfPrP¶PμPSPSCḡ, C,CḡPμPjPsCḡ C,P° PiC-PiPμCḡC,PμCḡPjC-Cḡ.  
P PsP·PiPsC†PëPSP°C,Pë C,PμCḡP°PiC-Cḡ C†PμCḡC,CḡP°P»C-PSPsPj PSPμ PjPsP¶PSP°  
C%oPsPSP°PNḡPjPμPSC€Pμ PiCḡPsC,CḡPiPsPj 14 PrPSC-PI PiC-C†P»Cḡ PiCḡPëPiPëPSPμPSPSCḡ  
PeCfCḡC†Cf P»C-PeCfPIP°PSPSCḡ C-PSPiC-P±C-C,PsCḡPsPj PḡPḡPḡ  
PSPμP·PIPSCḡPsC,PSPsC— PrC-C— P—P°C†C,PsC†CfPIP°PSPSCḡ C†PμCḡC,CḡP°P»C-PSCf  
C†P»C-Pr PiCḡPëPiPëPSPëC,Pë C%oPsPSP°PNḡPjPμPSC€Pμ P·P° 7 PrPSC-PI PrPs PiPsC†P°C,PeCf

C, P<sub>μ</sub>CT<sub>h</sub>P°P<sub>i</sub>C-C— C-PSPiC-P±C-C, PsCT<sub>h</sub>PsP<sub>j</sub> P<sub>h</sub>P<sub>h</sub>P<sub>h</sub> PSP<sub>μ</sub>P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC— PrC-C—.  
P<sub>μ</sub>CT<sub>h</sub>PsC, P<sub>e</sub>P<sub>i</sub>PsP<sub>e</sub>P°P·P°PSP<sub>μ</sub> PsPrPSPsC±P°C<sub>i</sub>PSP<sub>μ</sub> P·P°C<sub>i</sub>C, PsC<sub>i</sub>C<sub>r</sub>PIP°PSPSC<sub>i</sub>  
C<sub>i</sub>P<sub>μ</sub>CT<sub>h</sub>C, CT<sub>h</sub>P°P»C-PSC<sub>r</sub> C, P° P<sub>i</sub>C-P<sub>j</sub>PsP·P<sub>e</sub>PrC<sub>r</sub> (PrP<sub>e</sub>PI. CT<sub>h</sub>PsP·PrC-P» B«P·P·P°C”P<sub>j</sub>PsPrC-C<sub>i</sub> P·  
C-PSC€P<sub>e</sub>P<sub>j</sub>P<sub>e</sub> P»C-PeP°CT<sub>h</sub>C<sub>i</sub>ChP<sub>e</sub>P<sub>e</sub>P<sub>j</sub>P<sub>e</sub> P·P°C<sub>i</sub>PsP±P°P<sub>j</sub>P<sub>e</sub> C, P° C-PSC€C- PIP<sub>e</sub>PrP<sub>e</sub>  
PIP·P°C”P<sub>j</sub>PsPrC-PN<sub>e</sub>B»).

**P·P·P°C”P<sub>j</sub>PsPrC-C<sub>i</sub> P· C-PSC€P<sub>e</sub>P<sub>j</sub>P<sub>e</sub> P»C-PeP°CT<sub>h</sub>C<sub>i</sub>ChP<sub>e</sub>P<sub>e</sub>P<sub>j</sub>P<sub>e</sub>  
P·P°C<sub>i</sub>PsP±P°P<sub>j</sub>P<sub>e</sub> C, P° C-PSC€C- PIP<sub>e</sub>PrP<sub>e</sub> PIP·P°C”P<sub>j</sub>PsPrC-PN<sub>e</sub>.**

P<sub>μ</sub>CT<sub>h</sub>PsC, P<sub>e</sub>P<sub>i</sub>PsP<sub>e</sub>P°P·P°PSC-

*P†PSPiC-P±C-C, PsCT<sub>h</sub>P<sub>e</sub> P<sub>j</sub>PsPSPsP°P<sub>j</sub>C-PSPsPeC<sub>i</sub>P<sub>e</sub>PrP°P·P<sub>e</sub>*

*P<sub>h</sub>P<sub>h</sub>P<sub>h</sub>P† PSP<sub>μ</sub>P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC— PrC-C— (PSP°P<sub>i</sub>CT<sub>h</sub>P<sub>e</sub>PeP»P°Pr C<sub>i</sub>P<sub>μ</sub>P»P<sub>μ</sub>PiC-P»C-PS)*

P<sub>μ</sub>CT<sub>h</sub>PsC, P<sub>e</sub>P<sub>i</sub>PsP<sub>e</sub>P°P·P°PSP<sub>μ</sub> P·P°C<sub>i</sub>C, PsC<sub>i</sub>C<sub>r</sub>PIP°PSPSC<sub>i</sub> C<sub>i</sub>P<sub>μ</sub>CT<sub>h</sub>C, CT<sub>h</sub>P°P»C-PSC<sub>r</sub> CT<sub>h</sub>P°P·PsP<sub>j</sub>  
P· P<sub>h</sub>P<sub>h</sub>P<sub>h</sub>P† PSP<sub>μ</sub>P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC— PrC-C—, C, P°PeP<sub>e</sub>P<sub>j</sub>P<sub>e</sub> C<sub>i</sub>Pe C<sub>i</sub>P<sub>μ</sub>P»P<sub>μ</sub>PiC-P»C-PS.  
P<sub>Y</sub>P<sub>μ</sub>CT<sub>h</sub>C, CT<sub>h</sub>P°P»C-PS PSP<sub>μ</sub> P<sub>j</sub>PsP<sub>μ</sub>PSP° P<sub>i</sub>CT<sub>h</sub>P<sub>e</sub>P·PSP°C±P°C, P<sub>e</sub> C°<sub>o</sub>PsPSP°PN<sub>e</sub>P<sub>j</sub>P<sub>μ</sub>PSC€P<sub>μ</sub>  
P<sub>i</sub>CT<sub>h</sub>PsC, C<sub>i</sub>P<sub>i</sub>PsP<sub>j</sub> 14 PrPSC-PI P<sub>i</sub>C-C<sub>i</sub>P»C<sub>i</sub> P<sub>i</sub>CT<sub>h</sub>P<sub>e</sub>P<sub>i</sub>P<sub>e</sub>PSP<sub>μ</sub>PSPSC<sub>i</sub> PeC<sub>r</sub>CT<sub>h</sub>C<sub>i</sub>C<sub>r</sub>  
P»C-PeC<sub>r</sub>PIP°PSPSC<sub>i</sub> P<sub>h</sub>P<sub>h</sub>P<sub>h</sub>P† PSP<sub>μ</sub>P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC— PrC-C—.  
P—P°C<sub>i</sub>C, PsC<sub>i</sub>C<sub>r</sub>PIP°PSPSC<sub>i</sub> C<sub>i</sub>P<sub>μ</sub>CT<sub>h</sub>C, CT<sub>h</sub>P°P»C-PSC<sub>r</sub> C<sub>i</sub>P»C-Pr P<sub>i</sub>CT<sub>h</sub>P<sub>e</sub>P<sub>i</sub>P<sub>e</sub>PSP<sub>e</sub>C, P<sub>e</sub>  
C°<sub>o</sub>PsPSP°PN<sub>e</sub>P<sub>j</sub>P<sub>μ</sub>PSC€P<sub>μ</sub> P·P° 7 PrPSC-PI PrPs P<sub>i</sub>PsC±P°C, PeC<sub>r</sub> C, P<sub>μ</sub>CT<sub>h</sub>P°P<sub>i</sub>C-C— P<sub>h</sub>P<sub>h</sub>P<sub>h</sub>P†  
PSP<sub>μ</sub>P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC— PrC-C— (PrP<sub>e</sub>PI. CT<sub>h</sub>PsP·PrC-P»  
B«P<sub>μ</sub>CT<sub>h</sub>PsC, P<sub>e</sub>P<sub>i</sub>PsP<sub>e</sub>P°P·P°PSPSC<sub>i</sub>B»).

*P<sub>Y</sub>P<sub>μ</sub>P»P<sub>μ</sub>PeC, P<sub>e</sub>PIPSP<sub>e</sub>PN<sub>e</sub> C-PSPiC-P±C-C, PsCT<sub>h</sub> P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC— PrC-C— P<sub>h</sub>P<sub>h</sub>P<sub>h</sub>-P<sub>h</sub>  
(P<sub>j</sub>PsPeP»PsP±P<sub>μ</sub>P<sub>j</sub>C-Pr)*

P<sub>j</sub> P·P<sub>i</sub>B<sub>h</sub><sup>™</sup> C<sub>i</sub>P·PeC<sub>r</sub> P· CT<sub>h</sub>P<sub>e</sub>P·P<sub>e</sub>PePsP<sub>j</sub> CT<sub>h</sub>PsP·PIP<sub>e</sub>C, PeC<sub>r</sub> C<sub>i</sub>P<sub>μ</sub>CT<sub>h</sub>PsC, PsPSC-PSPsPIP<sub>s</sub>P<sub>i</sub>Ps  
C<sub>i</sub>P<sub>e</sub>PSP<sub>r</sub>CT<sub>h</sub>PsP<sub>j</sub>C<sub>r</sub> PSP<sub>μ</sub> C<sub>i</sub>P»C-Pr P·P°C<sub>i</sub>C, PsC<sub>i</sub>P<sub>s</sub>PI C<sub>r</sub>PIP°C, P<sub>e</sub> C<sub>i</sub>P<sub>μ</sub>CT<sub>h</sub>C, CT<sub>h</sub>P°P»C-PS C<sub>r</sub>  
PePsP<sub>j</sub>P±C-PSP°C†C-C— P· C<sub>i</sub>P<sub>μ</sub>P»P<sub>μ</sub>PeC, P<sub>e</sub>PIPSP<sub>e</sub>P<sub>j</sub>P<sub>e</sub> P<sub>h</sub>P<sub>h</sub>P<sub>h</sub>P† P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC—  
PrC-C—, C, P°PeP<sub>e</sub>P<sub>j</sub>P<sub>e</sub> C<sub>i</sub>Pe P<sub>j</sub>PsPeP»PsP±P<sub>μ</sub>P<sub>j</sub>C-Pr. P<sub>μ</sub>C-C<sub>i</sub>P»C<sub>i</sub> PIC-PrP<sub>j</sub>C-PSP<sub>e</sub>  
C-PSPiC-P±C-C, PsCT<sub>h</sub>C-PI P<sub>h</sub>P<sub>h</sub>P<sub>h</sub> P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC— PrC-C— P<sub>i</sub>P<sub>μ</sub>CT<sub>h</sub>C-PsPr PrPs  
P<sub>i</sub>PsC±P°C, PeC<sub>r</sub> C, P<sub>μ</sub>CT<sub>h</sub>P°P<sub>i</sub>C-C— C<sub>i</sub>P<sub>μ</sub>CT<sub>h</sub>C, CT<sub>h</sub>P°P»C-PSPsP<sub>j</sub> P<sub>j</sub>PsP<sub>μ</sub>P<sub>μ</sub> P±C<sub>r</sub>C, P<sub>e</sub>  
PePsCT<sub>h</sub>PsC, C€P<sub>e</sub>P<sub>j</sub> P·P° 14 PrPSC-PI. P P<sub>μ</sub>PePsP<sub>j</sub>P<sub>μ</sub>PSP<sub>r</sub>C<sub>r</sub>C”C, ChC<sub>i</sub>C<sub>i</sub> P<sub>i</sub>CT<sub>h</sub>P<sub>e</sub>P<sub>i</sub>P<sub>e</sub>PSP<sub>e</sub>C, P<sub>e</sub>  
P·P°C<sub>i</sub>C, PsC<sub>i</sub>C<sub>r</sub>PIP°PSPSC<sub>i</sub> C<sub>i</sub>P<sub>μ</sub>CT<sub>h</sub>C, CT<sub>h</sub>P°P»C-PSC<sub>r</sub> C°<sub>o</sub>PsPSP°PN<sub>e</sub>P<sub>j</sub>P<sub>μ</sub>PSC€P<sub>μ</sub> P·P° 7  
PrPSC-PI PrPs P<sub>i</sub>PsC±P°C, PeC<sub>r</sub> C, P<sub>μ</sub>CT<sub>h</sub>P°P<sub>i</sub>C-C— P<sub>h</sub>P<sub>h</sub>P<sub>h</sub> P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC— PrC-C— (PrP<sub>e</sub>PI.  
CT<sub>h</sub>PsP·PrC-P» B«P<sub>μ</sub>CT<sub>h</sub>PsC, P<sub>e</sub>P<sub>i</sub>PsP<sub>e</sub>P°P·P°PSPSC<sub>i</sub>B»).

*P<sub>k</sub>P<sub>μ</sub>C<sub>i</sub>P<sub>μ</sub>P»P<sub>μ</sub>PeC, P<sub>e</sub>PIPSC- C-PSPiC-P±C-C, PsCT<sub>h</sub>P<sub>e</sub> P<sub>h</sub>P<sub>h</sub>P<sub>h</sub> P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC— PrC-C—  
(P»C-PSP<sub>μ</sub>P·PsP»C-Pr)*

P<sub>h</sub>PSC, P<sub>e</sub>P±C-PsC, P<sub>e</sub>Pe P»C-PSP<sub>μ</sub>P·PsP»C-Pr C” C<sub>i</sub>P»P°P±PeP<sub>e</sub>P<sub>j</sub> PSP<sub>μ</sub>C<sub>i</sub>P<sub>μ</sub>P»P<sub>μ</sub>PeC, P<sub>e</sub>PIPSP<sub>e</sub>P<sub>j</sub>  
P<sub>h</sub>P<sub>h</sub>P<sub>h</sub>P† P·PIP<sub>s</sub>CT<sub>h</sub>PsC, PSPsC— PrC-C—, C<sub>i</sub>PeP<sub>e</sub>PN<sub>e</sub> PSP<sub>μ</sub> C<sub>i</sub>P»C-Pr  
P·P°C<sub>i</sub>C, PsC<sub>i</sub>P<sub>s</sub>PI C<sub>r</sub>PIP°C, P<sub>e</sub> P<sub>i</sub>P°C†C-C”PSC, P°P<sub>j</sub>, C<sub>i</sub>PeC- P<sub>i</sub>CT<sub>h</sub>P<sub>e</sub>PN<sub>e</sub>P<sub>j</sub>P°C<sub>h</sub>C, Ch  
C<sub>i</sub>P<sub>μ</sub>CT<sub>h</sub>C, CT<sub>h</sub>P°P»C-PS (PrP<sub>e</sub>PI. CT<sub>h</sub>PsP·PrC-P» B«P<sub>μ</sub>CT<sub>h</sub>PsC, P<sub>e</sub>P<sub>i</sub>PsP<sub>e</sub>P°P·P°PSPSC<sub>i</sub>B»).

P’C<sub>r</sub>P»P<sub>e</sub> P·P°CT<sub>h</sub>P<sub>μ</sub>C”C<sub>i</sub>C, CT<sub>h</sub>PsPIP°PSC- C, C<sub>i</sub>P<sub>μ</sub>PeC- P<sub>i</sub>PsP±C-C±PSC- CT<sub>h</sub>P<sub>μ</sub>P°PeC†C-C— C<sub>r</sub>  
P<sub>i</sub>P°C†C-C”PSC, C-PI, C<sub>i</sub>PeC- PSP<sub>μ</sub>C°<sub>o</sub>PsPrP°PIPSPs P<sub>i</sub>CT<sub>h</sub>P<sub>e</sub>P<sub>i</sub>P<sub>e</sub>PSP<sub>e</sub>P»P<sub>e</sub>  
P·P°C<sub>i</sub>C, PsC<sub>i</sub>C<sub>r</sub>PIP°PSPSC<sub>i</sub> P<sub>h</sub>P<sub>h</sub>P<sub>h</sub>P† (PSP°P<sub>i</sub>CT<sub>h</sub>P<sub>e</sub>PeP»P°Pr, P<sub>j</sub>P<sub>μ</sub>C, P<sub>e</sub>P»P<sub>μ</sub>PSPsPIP<sub>e</sub>PN<sub>e</sub>



C€P»CfPSPsC#PePsPIPëC... P°CḥPëC,PjC-PMë (PSP°PíCḥPëPeP»P°Pr C€P»CfPSPsC#PePsPIPëC—  
C,P°C...C-PeP°CḥPrC-C— C,PëPíCf B«PíC-CḥCfPμC,B») PjPsP¶Pμ  
PíC-PrPIPëC%oCfPIP°C,PëCíCḥ Cí CḥP°P·C- PsPrPSPsC#P°CíPSPsPiPs  
P·P°CíC,PsCíCfPIP°PSPSCḥ P· C-PSC€PëPjPë PíCḥPμPíP°CḥP°C,P°PjPë, CḥPëC-  
PíPsPrPsPIP¶CfCḥC,Ch C-PSC,PμCḥPIP°P» QTc (PSP°PíCḥPëPeP»P°Pr PrPμCḥPëC-  
P°PSC,PëPíCíPëC...PsC,PëC#PSC- P·P°CíP±Pë PMë P°PSC,PëP±C-PsC,PëPePë) (PrPëPI.  
CḥPsP·PrC-P» B«PḥCíP±P»PëPIPsCíC,C- P·P°CíC,PsCíCfPIP°PSPSCḥB»).

*P>C-C,C-PMë*

PJ PíP»P°C†PμP±Ps-PePsPSC,CḥPsP»ChPsPIP°PSPsPjCf PrPsCíP»C-PrP¶PμPSPSC- P·  
CfC#P°CíC,Cḥ P·PrPsCḥPsPIPëC... PrPsP±CḥPsPIPpsP»ChC†C-PI PsPrPSPsC#P°CíPSPëPMë  
PíCḥPëPMëPsPj CíPμCḥC,CḥP°P»C-PSCf C,P° P»C-C,C-Cḥ P·PSP°C†CfC%oPs PSPμ  
P·PjC-PSCḥPIP°PI C,,P°CḥPjP°PePsPeC-PSPμC,PëPeCf P»C-C,C-Cḥ, PsPrPSP°Pe  
PíCḥPëP·PIPsPrPëPI PrPs PíPsCíPëP»PμPSPSCḥ C,CḥPμPjPsCḥCf PíPsCḥC-PIPSCḥPSPs P·  
PíP»P°C†PμP±Ps, C%oPs CíPIC-PrC#PëC,Ch PíCḥPs PjPsP¶P»PëPICf  
C,,P°CḥPjP°PePsPrPëPSP°PjC-C#PSCf PIP·P°C”PjPsPrC-Cḥ. PμCḥPë PsPrPSPsC#P°CíPSPsPjCf  
P·P°CíC,PsCíCfPIP°PSPSC- CíPμCḥC,CḥP°P»C-PSCf C,P° P»C-C,C-Cḥ CíP»C-Pr  
P·P°P±PμP·PíPμC#PëC,Pë PSP°P»PμP¶PSPëPMë PePsPSC,CḥPsP»Ch.

*PαPμPSC-C,PsC—PS*

P PμP·CfP»ChC,P°C,Pë PíP»P°C†PμP±Ps-PePsPSC,CḥPsP»ChPsPIP°PSPsPiPs  
PrPsCíP»C-PrP¶PμPSPSCḥ P· CfC#P°CíC,Cḥ P·PrPsCḥPsPIPëC... PrPsP±CḥPsPIPpsP»ChC†C-PI  
CíPIC-PrC#P°C,Ch PíCḥPs C,Pμ, C%oPs C,CḥPëPIP°P»PëPMë PíCḥPëPMëPsPj  
CíPμCḥC,CḥP°P»C-PSCf Cí PrPsP·C- 200 PjPi/PrPsP±Cf PSPμ PíCḥPëP·PIPsPrPëC,Ch PrPs  
PeP»C-PSC-C#PSPs P·PSP°C†CfC%oPsPiPs C-PSPIC-P±CfPIP°PSPSCḥ PjPμC,P°P±PsP»C-P·PjCf  
C,,PμPSC-C,PsC—PSCf. PḥPrPSP°Pe PrP°PSC- P·PIC-C,C-PI PrPμCḥPëPëC... PIPëPíP°PrPeC-PI  
CíPIC-PrC#P°C,Ch PíCḥPs PIPëCíPpsPeC- PμPeCíPíPsP·PëC†C-C— C,,PμPSC-C,PsC—PSCf Cí  
PíP°C†C-C”PSC,C-PI, CḥPëC- P·P°CíC,PsCíPpsPICfCḥC,Ch CíPμCḥC,CḥP°P»C-PS;  
CḥPμPePsPjPμPSPPrCfC”C,ChCíCḥ PíCḥPsPIPpsPrPëC,Pë PjPsPSC-C,PsCḥPëPSPi  
PePsPSC†PμPSC,CḥP°C†C-C— C,,PμPSC-C,PsC—PSCf Cí PíP»P°P·PjC- PeCḥPsPIC-  
PíCḥPsC,CḥPíPsPj PíPsC#P°C,PePsPIPpsPiPs PμC,P°PíCf C,PμCḥP°PíC-C—  
CíPμCḥC,CḥP°P»C-PSPsPj C-P· PIC-PrPíPsPIC-PrPSPëPjPë PePsCḥPμPeC†C-CḥPjPë PrPsP·Pë  
C,,PμPSC-C,PsC—PSCf. PḥCḥC-Pj C,PsPiPs, PsPrPSPsC#P°CíPSPμ P·P°CíC,PsCíCfPIP°PSPSCḥ  
PíCḥPμPíP°CḥP°C,Cf P· C,,PμPSC-C,PsC—PSPsPj PjPsP¶Pμ PíCḥPëP·PIPμCíC,Pë PrPs  
P·PSPëP¶PμPSPSCḥ PePsPSC†PμPSC,CḥP°C†C-C— CíPμCḥC,CḥP°P»C-PSCf Cí PíP»P°P·PjC-  
PeCḥPsPIC-. PḥPμ PjPsP¶PSP° PIPëPeP»ChC#PëC,Pë PjPsP¶P»PëPIC-CíC,Ch P·PSPëP¶PμPSPSCḥ  
PíP»P°P·PjPsPIPëC... CḥC-PIPSC-PI CíPμCḥC,CḥP°P»C-PSCf PíC-Pr PIPíP»PëPIPsPj C-PSC€PëC...  
C-PSPPrCfPeC,PsCḥC-PI C,,PμCḥPjPμPSC,Cf CYP3A4, P·PsPeCḥPμPjP°  
C,,PμPSPsP±P°CḥP±C-C,P°P»Cf, PeP°CḥP±P°PjP°P·PμPíC-PSCf, PíCḥPμPíP°CḥP°C,C-PI  
P·PIC-CḥPsP±PsCḥ C,P° CḥPëC,,P°PjPíC-C†PëPSCf.

*PÿCḥPëPíC,P°PSPë*

PμCḥPsC,CḥPíPsPj PíPμCḥC-PsPrCf PíPsCíC,CḥPμC”CíC,CḥP°C†C-PMëPSPsPiPs  
PSP°PíP»CḥPrCf PSP°PrC...PsPrPëP»Pë PíPsPsPrPëPSPsPeC- PíPsPIC-PrPsPjP»PμPSPSCḥ PíCḥPs  
PIPëPíP°PrPePë CḥPsP·PIPëC,PeCf CíP»P°P±PePsCíC,C-, PíC-PíPμCḥCḥPμC,,P»PμPeCíC-C—,  
PíPsCḥCfC€PμPSPSCḥ PePsPsCḥPrPëPSP°C†C-C—, PIC-PrC#CfC,C,Cḥ  
P·P±PμPSC,PμP¶PμPSPSCḥ, C,CḥPëPIPsP¶PSPsCíC,C- C,P° P·P±CfPrP¶PμPSPSCḥ PíCḥPë  
PsPrPSPsC#P°CíPSPsPjCf P·P°CíC,PsCíCfPIP°PSPSC- CíPμCḥC,CḥP°P»C-PSCf C,P°  
CíCfPjP°C,CḥPëPíC,P°PSCf. PÿPëPjPíC,PsPjPë CíPμCḥPsC,PsPSC-PSPμCḥPíC-C#PSPsPiPs

СГРПSPPrCḡPsPjCf PjPsP¶CfC,CH C,P°PePsP¶ CḡPsP·PIPēPIP°C,PēCfCḡ PīCḡPē  
P·P°CfC,PsCfCfPIP°PSPSC- C-PSC€PēC... PīCḡPμPīP°CḡP°C,C-PI C†CHPsPiPs P¶ PeP»P°CfCf  
(C,CḡPēPīC,P°PSC-PI). PīPeC%Ps PsPrPSPsC†P°CfPSPμ P»C-PeCfPIP°PSPSCḡ  
CfPμCḡC,CḡP°P»C-PSPsPj C,P° C,CḡPēPīC,P°PSP°PjPē C” PSPμPsP±C...C-PrPSPēPj P·  
PeP»C-PSC-C†PSPsC— C,PsC†PePē P·PsCḡCf, CfP»C-Pr P·P°P±PμP·PīPμC†PēC,Pē  
PIC-PrPīPsPIC-PrPSPēPμ PSP°PīP»CḡP P·P° PīP°C†C-C”PSC,PsPj (PrPēPI. CḡPsP·PrC-P»  
B«PhCfPsP±P»PēPIPscfC,C- P·P°CfC,PsCfCfPIP°PSPSCḡB»).

*P°P°CḡC,,P°CḡPēPS*

PhPrPSPsC†P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCḡ CfPμCḡC,CḡP°P»C-PSCf Cf PrPsP·C-  
200 PjPi/PrPsP±Cf C,P° PIP°CḡC,,P°CḡPēPSCf PīCḡPēP·PIPsPrPēP»Ps PrPs  
PSPμP·PSP°C†PSPsPiPs, P°P»Pμ CfC,P°C,PēCfC,PēC†PSPs P·PSP°C†CfC%PsPiPs  
P·P±C-P»CHC€PμPSPSCḡ PīCḡPsC,CḡPsPjP±C-PSPsPiPsPiPs C†P°CfCf, C%Ps PjPsP¶Pμ Cf  
PrPμCḡPēC... CḡC-PrPeC-CfPSPēC... PIPēPīP°PrPeP°C... PīCḡPēP·PIPμCfC,Pē PrPs  
PīPsCḡCfC€PμPSCḡ PjC-P¶PSP°CḡPsPrPSPsPiPs PSPsCḡPjP°P»C-P·PsPIP°PSPsPiPs  
PIC-PrPSPsC€PμPSPSCḡ (PḡPḡP’). PŷPsPjCf CfP»C-Pr CḡPμC,PμP»CHPSPs  
PePsPSC,CḡPsP»CḡPIP°C,Pē PīPsPeP°P·PSPēPe PīCḡPsC,CḡPsPjP±C-PSPsPiPsPiPs C†P°CfCf  
PSP° PīPsC†P°C,PeCf P»C-PeCfPIP°PSPSCḡ CfPμCḡC,CḡP°P»C-PSPsPj C,P° PīCḡPē PμPsPiPs  
PIC-PrPjC-PSC-.

*P·P·P°C”PjPsPrC-Cḡ P· C-PSC€PēPjPē P»C-PeP°CḡCfCHPePēPjPē P·P°CfPsP±P°PjPē, P·  
PrPēPiPsPeCfPēPSPsPj, P°C,PμPSPsP»PsP»PsPj, C†PēPjPμC,PēPrPēPSPsPj*

PhPrPSPsC†P°CfPSPμ P·P°CfC,PsCfCfPIP°PSPSCḡ P· C†PēPjPμC,PēPrPēPSPsPj  
PīCḡPēP·PIPsPrPēP»Ps PrPs CfCfC,C,C”PIPsPiPs P·PSPēP¶PμPSPSCḡ PeP»C-CḡPμPSCfCf  
CfPμCḡC,CḡP°P»C-PSCf. PḡP»C-PSC-C†PSPμ P·PSP°C†PμPSPSCḡ C†PēC... P·PjC-PS PSPμ  
P·Bḡ™ CḡCfPsPIP°PSPμ. PŷPμCḡC,CḡP°P»C-PS PSPμ PIPīP»PēPIP°C” PSP° P±PμC,P°-  
P°PrCḡPμPSPsP±P»PsPeCfCḡC†C- PIP»P°CfC,PēPIPscfC,C- P°C,PμPSPsP»PsP»Cf. PμCḡPē  
PsPrPSPsC†P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC- CfPμCḡC,CḡP°P»C-PSCf Cf PrPsP·C-  
200 PjPi/PrPsP±Cf C,P° PrPēPiPsPeCfPēPSCf PSPμ P±CfP»Ps PIPēCḡPIP»PμPSPs  
PSC-CḡPēPsC— PIP·P°C”PjPsPrC-C—.

*P»C-PeP°CḡCfCHPeC- P·P°CfPsP±Pē, C%Ps PIPīP»PēPIP°CḡC,CH PSP° C,,CḡPSPeC†C-Cḡ  
C,CḡPsPjP±PsC†PēC,C-PI*

PḡPsP¶Pμ PīC-PrPIPēC%CfPIP°C,PēCfCḡ CḡPēP·PēPe PIPēPSPēPePSPμPSPSCḡ  
PeCḡPsPiPsC,PμC†C- PīCḡPē PsPrPSPsC†P°CfPSPsPjCf P·P°CfC,PsCfCfPIP°PSPSC-  
PŷP†P—P—Pŷ, PIPeP»CḡC†P°CḡC†Pē CfPμCḡC,CḡP°P»C-PS, P· P»C-PeP°CḡCfCHPePēPjPē  
P·P°CfPsP±P°PjPē, C%Ps PIPīP»PēPIP°CḡC,CH PSP° C,CḡPsPjP±PsC†PēC,P°CḡPSCf  
C,,CfPSPeC†C-Cḡ (PSP°PīCḡPēPeP»P°Pr PḡPμP—Pμ, P°C†PμC,PēP»CfP°P»C-C†PēP»PsPiPsCḡ  
PePēCfP»PsC,PsCḡ C- C,PēPeP»PsPīC-PrPēPSPsPj) P°P±Ps C-PSC€PēPjPē  
P»C-PeP°CḡCfCHPePēPjPē P·P°CfPsP±P°PjPē, C%Ps PjPsP¶CfC,CH P·P±C-P»CHC€CfPIP°C,Pē  
CḡPēP·PēPe PeCḡPsPiPsC,PμC†C- (PrPēPI. CḡPsP·PrC-P» B«PhCfPsP±P»PēPIPscfC,C-  
P·P°CfC,PsCfCfPIP°PSPSCḡB»).

*P°P»PsPeP°C,PsCḡPē PSPμCḡPIPpsPiPs-PjBḡ™ CḡP·PsPiPsC— PīPμCḡPμPrP°C†C-*

PŷP†P—P—Pŷ PjPsP¶CfC,CH P·PjPμPSC€CfPIP°C,Pē P°PeC,PēPIPSC-CfC,CH  
C...PsP»C-PSPμCfC,PμCḡP°P·Pē PI PīP»P°P·PjC- PeCḡPsPIC-, C%Ps PīCḡPēP·PIPsPrPēC,CH PrPs  
PīPsPrPsPIP¶PμPSPSCḡ P±P»PsPeCfPIP°PSPSCḡ PSPμCḡPIPpsPiPs-PjBḡ™ CḡP·PsPiPsC—  
PīPμCḡPμPrP°C†C- PjC-PIP°PeCfCḡC-C”Pj P°P±Ps C-PSC€PēPjPē P±P»PsPeP°C,PsCḡP°PjPē

PSPμCḡPIPsPIPs-PjBḡ™ CḡP·PsPIPsC— PiPμCḡPμPrP°C±C-.

P—P°CḡPsP±Pë, C%oPs PjPμC,P°P±PsP»C-P·CzCḡC,CḡCḡCḡ P· CzC±P°CḡC,Cḡ C†PëC,PsC...CḡPsPjCz P 450

PŸPμCḡC,CḡP°P»C-PS PjPsPḡPμ PrC-CḡC,Pë CḡPe CḡP»P°P±PePëPNë P°P±Ps PiPsPjC-CḡPSPëPNë C-PSPiC-P±C-C,PsCḡ C-P·PsC,,PμCḡPjPμPSC,Cḡ PŸYP 2D6. PŸCḡPëPIP°P»PëPNë PiCḡPëPNëPsPj CḡPμCḡC,CḡP°P»C-PSCḡ Cḡ PrPsP·C- 50 PjPi/PrPsP±Cḡ PiCḡPëP·PIPsPrPëPI PrPs PiPsPjC-CḡPSPsPiPs PiC-PrPIPëC%oPμPSPSCḡ (Cḡ CḡPμCḡPμPrPSCḡPsPjCḡ PSP° 23-37 %) CḡC-PIPSPsPIP°PḡPSPëC... PePsPSC†PμPSC,CḡP°C†C-PNë PrPμP·PëPiCḡP°PjC-PSCḡ (PiPsPeP°P·PSPëPeCḡ P°PeC,PëPIPSPsCḡC,C- C-P·PsC,,PμCḡPjPμPSC,Cḡ PŸYP 2D6) Cḡ PiP»P°P·PjC- PeCḡPsPIC-. PḡP»C-PSC-C±PSPs P·PSP°C±CḡC%oC- PIP·P°C”PjPsPrC-C— PjPsPḡCḡC,Cḡ PIC-PrP±CḡPIP°C,PëCḡCḡ P· C-PSCëPëPjPë CḡCḡP±CḡC,CḡP°C,P°PjPë PŸYP 2D6 P· PICḡP·CḡPePëPjPë C,PμCḡP°PiPμPIC,PëC±PSPëPjPë PrC-P°PiP°P·PsPSP°PjPë, C,P°PePëPjPë CḡPe PiCḡPsC,PëP°CḡPëC,PjC-C±PSC- P·P°CḡPsP±Pë PeP»P°CḡCḡ 1PŸ, P·PsPeCḡPμPjP° PiCḡPsPiP°C,,PμPSPsPS C- C,,P»PμPeP°C—PSC-Pr, C,CḡPëC†PëPeP»C-C±PSC- P°PSC,PëPrPμPiCḡPμCḡP°PSC,Pë C- C,PëPiPsPIC- P°PSC,PëPiCḡPëC...PsC,PëC±PSC- P·P°CḡPsP±Pë, PsCḡPsP±P»PëPIPs PSP° C,P»C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡ CḡPμCḡC,CḡP°P»C-PSCḡ Cḡ PIPëC%oPëC... PrPsP·P°C....

PŸPμCḡC,CḡP°P»C-PS PSPμ PIPëCḡC,CḡPiP°C” PeP»C-PSC-C±PSPs P·PSP°C±CḡC%oPëPj C-PSPiC-P±C-C,PsCḡPsPj C-P·PsC,,PμCḡPjPμPSC,C-PI CYP 3A4, CYP 2C9, CYP 2C19 C,P° CYP 1A2. PiPμ PiC-PrC,PIPμCḡPrPḡCḡC,CḡCḡCḡ CḡPμP·CḡP»CḡC,P°C,P°PjPë PrPsCḡP»C-PrPḡPμPSCḡ PIP·P°C”PjPsPrC-C— PiCḡPμPiP°CḡP°C,C-PI in vivo C-P· P·P°CḡC,PsCḡCḡPIP°PSPSCḡPj CḡCḡP±CḡC,CḡP°C,C-PI CYP 3A4 (PμPSPPrPsPiPμPSPSPsPiPs PePsCḡC,PëP·PsP»Cḡ, PeP°CḡP±P°PjP°P·PμPiC-PSCḡ, C,PμCḡC,,PμPSP°PrPëPSCḡ, P°P»PiCḡP°P·PsP»P°PjCḡ), CḡCḡP±CḡC,CḡP°C,Cḡ CYP2C19 (PrC-P°P·PμPiP°PjCḡ) C- CḡCḡP±CḡC,CḡP°C,C-PI CYP 2C9 (C,PsP»P±CḡC,P°PjC-PrCḡ, PiP»C-P±PμPSPeP»P°PjC-PrCḡ C- C,,PμPSC-C,PsC—PSCḡ). P PμP·CḡP»CḡC,P°C,Pë PrPsCḡP»C-PrPḡPμPSCḡ in vitro CḡPIC-PrC±P°C,Cḡ PiCḡPs C,Pμ, C%oPs CḡPμCḡC,CḡP°P»C-PS PjP°C” PrCḡPḡPμ PjP°P»PëPNë PiPsC,PμPSC†C-P°P» C-PSPiC-P±CḡPIP°PSPSCḡ PŸYP 1Pḡ 2 P°P±Ps PSPμ PjP°C” PNëPsPiPs PIP·P°PiP°P»C-.

P©PsPrPμPSPSPëPNë PiCḡPëPNëPsPj C,CḡCḡPsC... CḡPeP»CḡPSPsPe PiCḡPμPNëPiC,,CḡCḡCḡ,PsPIPsPiPs CḡPsPeCḡ PiCḡPëP·PIPsPrPëPI PrPs PiC-PrPIPëC%oPμPSPSCḡ PiP»P°P·PjPsPIPëC... CḡC-PIPSC-PI CḡPμCḡC,CḡP°P»C-PSCḡ PjP°PNëPḡPμ PSP° 100 % PI PiPμCḡPμC...CḡPμCḡPSPsPjCḡ PrPsCḡP»C-PrPḡPμPSPSC- Cḡ 8 P·PrPsCḡPsPIPëC... PsCḡC-P± CḡPiPsPSCḡCḡPePsC— PSP°C†C-PsPSP°P»CḡPSPsCḡC,C-. P·P·P°C”PjPsPrC-Cḡ P· C-PSCëPëPjPë C-PSPiC-P±C-C,PsCḡP°PjPë CYP3A4 PSPμ P±CḡP»P° PIPëPIC†PμPSP°. PŸPsPjCḡ CḡP»C-Pr CḡPSPëPeP°C,Pë PiCḡPëPNëPsPjCḡ PiCḡPμPNëPiC,,CḡCḡCḡ,PsPIPsPiPs CḡPsPeCḡ PiC-Pr C±P°Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSCḡ CḡPμCḡC,CḡP°P»C-PSCḡ (PrPëPI. CḡPsP·PrC-P» B«PḡCḡPsP±P»PëPIPsCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡB»).

P·PëC...PsPrCḡC±Pë P· CḡPμP·CḡP»CḡC,P°C,C-PI PrPsCḡP»C-PrPḡPμPSPSCḡ PIP·P°C”PjPsPrC-C— P· PiCḡPμPNëPiC,,CḡCḡCḡ,PsPIPëPj CḡPsPePsPj, PSPμ PjPsPḡPSP° PIPëPeP»CḡC±PëC,Pë PjPsPḡP»PëPIC-CḡC,Cḡ P·PSP°C±PSPs P±C-P»CḡCëPsPiPs PiC-PrPIPëC%oPμPSPSCḡ PμPeCḡPiPsP·PëC†C-C— CḡPμCḡC,CḡP°P»C-PSCḡ PiCḡPë PsPrPSPsC±P°CḡPSPsPjCḡ P·P°CḡC,PsCḡCḡPIP°PSPSC- P· PiPsC,CḡPḡPSPëPjPë C-PSPiC-P±C-C,PsCḡP°PjPë C,,PμCḡPjPμPSC,Cḡ CYP3A4, P·PsPeCḡPμPjP° C-PSPiC-P±C-C,PsCḡP°PjPë PiCḡPsC,PμP°P·, PePμC,PsPePsPSP°P·PsP»PsPj, C-C,CḡP°PePsPSP°P·PsP»PsPj, PiPsP·P°PePsPSP°P·PsP»PsPj, PIPsCḡPëPePsPSP°P·PsP»PsPj,

PeP»P°CTHPeC,CTHPsPjC-C†PëPSPsPj, C, PμP»C-C,CTHPsPjC-C†PëPSPsPj C, P°  
PSPμC,,P°P·PsPrPsPSPsPj. PjPμ C,P°PePsP¶ CÍC,PsCÍCÍC”C,CHCÍCÍC PíPsPjC-CTHPSPeC...  
C-PSPiC-P±C-C,PsCTHC-PI CYP3A4 BĤ” P°PíCTHPμPíC-C,P°PSC,Cr, PμCTHPeC,CTHPsPjC-C†PëPSCr,  
C,,P»CíPePsPSP°P·PsP»Cí, PIPμCTHP°PíP°PjC-P»Cí C,P° PrPëP»C,C-P°P·PμPjCí. PŸP»C-Pr  
CíPSPëPeP°C,Pë PíCTHPëPNePsPjCí PíPsC,CrP¶PSPeC... C-PSPiC-P±C-C,PsCTHC-PI CYP3A4 PíC-Pr  
C†P°CÍ C,PμCTHP°PíC-C— CÍPμCTHC,CTHP°P»C-PSPsPj.

P’ PsCÍC-P± P· PíPsPIC-P»CHPSPëPj PjPμC,P°P±PsP»C-P·PjPsPj CYP2C19 PíP»P°P·PjPsPIC-  
CTHC-PIPSC- CÍPμCTHC,CTHP°P»C-PSCr PíC-PrPIPëC%oCíCTHC,CHCÍCÍC PSP° 50 %  
PíPsCTHC-PIPSCÍPSPs P· PsCÍPsP±P°PjPë P· CëPIPëPrPePëPj PjPμC,P°P±PsP»C-P·PjPsPj CYP2C19  
(PrPëPI. CTHPsP·PrC-P»B B«PαP°CTHPjP°PePsPeC-PSPμC,PëPeP°B»). PkPμ PjPsP¶PSP°  
PIPëPeP»CTHC†PëC,Pë PjPsP¶P»PëPIC-CÍC,CH P»C-PeP°CTHCÍCHPePsC— PIP·P°C”PjPsPrC-C— P·  
C,P°PePëPjPë PíPsC,CrP¶PSPëPjPë C-PSPiC-P±C-C,PsCTHP°PjPë CYP2C19 CÍPe  
PsPjPμPíCTHP°P·PsP», P»P°PSP·PsPíCTHP°P·PsP», PíP°PSC,PsPíCTHP°P·PsP»,  
CTHP°P±PμPíCTHP°P·PsP», C,,P»CíPsPeCÍPμC,PëPS, C,,P»CíPIPsPeCÍP°PjC-PS.

***PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCíPIP°PSPSCÍ.***

PŸP°PeC- CÍPëPjPíC,PsPjPë CÍPe PSPμCÍPíPsPeC-PNë, P·P±CíPrP¶PμPSPSCÍ, PíP°PSC-C†PSC-  
P°C,P°PePë, P±PμP·CÍPsPSPSCÍ, PrCTHP°C,C-PIP»PëPIC-CÍC,CH, PIPsCTHPsP¶C-CÍC,CH,  
P°PíCTHPμCÍPëPIPSC-CÍC,CH, C-PjPíCíP»CHCÍPëPIPSC-CÍC,CH,  
PíCÍPëC...PsPjPsC,PsCTHPSPëPNë PSPμCÍPíPsPeC-PNë, PíC-PíPsPjP°PSC-CÍ C,P° PjP°PSC-CÍ  
CÍPíPsCÍC,PμCTHC-PíP°P»PëCÍCÍ Cí PrPsCTHPsCÍP»PëC... C,P° PrC-C,PμPNë, CÍPeC-  
P»C-PeCíPIP°P»PëCÍCÍ P°PSC,PëPrPμPíCTHPμCÍP°PSC,P°PjPë. PjC- CÍPëPjPíC,PsPjPë  
PjPsP¶CíC,CH PíPμCTHPμPrCíPIP°C,Pë PíPsCÍPIC- CÍCíC—C†PëPrP°P»CHPSPsCÍC,C-.  
PŸP»C-Pr CTHPsP·PíP»CÍPSCrC,Pë PjPsP¶P»PëPIC-CÍC,CH P·PjC-PSPë  
C,PμCTHP°PíPμPIC,PëC†PSPsPíPs CTHPμP¶PëPjCí P°P±Ps PIC-PrPjC-PSPë  
P»C-PeP°CTHCÍCHPePsPíPs P·P°CÍPsP±Cí Cí PIPëPíP°PrPeCí, CÍPeC%oPs PíCTHPsCÍPIPë  
PrPμPíCTHPμCÍC-C— PSPμCíC...PëP»CHPSPs PíPsPíC-CTHCéCíCTHC,CHCÍCÍ,  
P·BĤ™ CÍPIP»CÍC”C,CHCÍCÍ CÍCíC—C†PëPrP°P»CHPSC-CÍC,CH P°P±Ps CÍPëPjPíC,PsPjPë  
PíPsPíC-CTHCéPμPSPSCÍ CÍCíC—C†PëPrP°P»CHPSPsCÍC,C-. PíPeC%oPs P±CíPrPμ  
PíCTHPëPNëPSCÍC,Pμ CTHC-CéPμPSPSCÍ PíCTHPs PíCTHPëPíPëPSPμPSPSCÍ P»C-PeCíPIP°PSPSCÍ,  
PíCTHPμPíP°CTHP°C, CÍP»C-Pr PIC-PrPjC-PSCÍC,Pë PíPsCÍC,CrPíPsPIPs C,P°Pe CëPIPëPrPePs,  
CÍPe C,C-P»CHPePë PjPsP¶PSP°, P°P»Pμ CÍP»C-Pr PíP°PjBĤ™ CÍC,P°C,Pë PíCTHPs C,Pμ, C%oPs  
CTHC-P·PePμ PíCTHPëPíPëPSPμPSPSCÍ P»C-PeCíPIP°PSPSCÍ PjPsP¶Pμ  
CÍCíPíCTHPsPIPsPrP¶CíPIP°C,PëCÍCÍ CÍPëPSPrCTHPsPjPsPj PIC-PrPjC-PSPë. PμPμCTHPμPr  
PíPsC†P°C,PePsPj P»C-PeCíPIP°PSPSCÍ PSPμPsP±C...C-PrPSPs PíCTHPsPIPμCÍC,Pë  
PsP±CÍC,PμP¶PμPSPSCÍ PíP°C†C-C”PSC,P° P· PjPμC,PsCT PIPëP·PSP°C†PμPSPSCÍ  
CTHPëP·PëPeCí CTHPsP·PIPëC,PeCí P±C-PíPsP»CÍCTHPSPsPíPs CTHPsP·P»P°PrCí. P”P»CÍ  
C†CHPsPíPs CTHPμC,PμP»CHPSPs P·P±PëCTHP°C”C,CHCÍCÍ PíCÍPëC...C-P°C,CTHPëC†PSPëPNë  
P°PSP°PjPSPμP·, CÍPePëPNë PIPeP»CTHC†P°C” CÍC-PjPμPNëPSPëPNë P°PSP°PjPSPμP·  
CÍCíC—C†PëPrC-PI, P±C-PíPsP»CÍCTHPSPeC... CTHPsP·P»P°PrC-PI C,P° PrPμPíCTHPμCÍC-C—.  
PŸPμCTHP»C-C,,C, PSPμ PíCTHPëP·PSP°C†PμPSPëPNë PrP»CÍ P»C-PeCíPIP°PSPSCÍ  
P±C-PíPsP»CÍCTHPSPsC— PrPμPíCTHPμCÍC-C—.

*PŸPμCTHPsC,PsPSC-PSPsPIPëPNë CÍPëPSPrCTHPsPj (PŸPŸ) C†Pë P·P»PsCÍPeC-CÍPSPëPNë  
PSPμPNëCTHPsP»PμPíC,PëC†PSPëPNë CÍPëPSPrCTHPsPj (P—PkPŸ)*

PμCTHPë P·P°CÍC,PsCÍCíPIP°PSPSC- PŸP†P—P—PŸ, PIPeP»CTHC†P°CTHC†Pë C,PμCTHP°PíC-CTH  
CÍPμCTHC,CTHP°P»C-PSPsPj, PíPsPIC-PrPsPjP»CÍP»PsCÍCÍ PíCTHPs CTHPsP·PIPëC,PsPe



*PμPsPrPsPIP¶PμPSPSCЦ C-PSC,PμCḡPIP°P»Cž QTc/C€P»CžPSPsC‡PePsPIP°  
C,P°C...C-PeP°CḡPrC-CЦ C,PëPïcž B«Pïc-CḡCžPμC,B»*

*PμC-Pr C‡P°Cḡ PḡPμCḡC-PsPrCḡ PḡPsCḡC,CḡPμC”CḡC,CḡP°C†C-PNḡPSPsPiPs  
P·P°CḡC,PsCḡCḡPIP°PSPSCЦ CḡPμCḡC,CḡP°P»C-PSCḡ PḡPsPIC-PrPsPjP»CЦP»PsCḡCЦ PḡCḡPs  
PIPëPḡP°PrPePë PḡPsPrPsPIP¶PμPSPSCЦ C-PSC,PμCḡPIP°P»Cḡ QTc C- C€P»CḡPSPsC‡PePsPIP°C—  
C,P°C...C-PeP°CḡPrC-C— C,PëPïcḡ B«Pïc-CḡCḡPμC,B». P°C-P»CḡC€C-CḡC,Cḡ  
PIPëPḡP°PrPeC-PI CḡPḡPsCḡC,PμCḡC-PiP°P»P°CḡCЦ PI PḡP°C†C-C”PSC,C-PI P· C-PSC€PëPjPë  
C,,P°PeC,PsCḡP°PjPë CḡPëP·PëPeCḡ PḡPsPrPsPIP¶PμPSPSCЦ C-PSC,PμCḡPIP°P»Cḡ  
QTc/C€P»CḡPSPsC‡PePsPIP°C— C,P°C...C-PeP°CḡPrC-C— C,PëPïcḡ B«Pïc-CḡCḡPμC,B». PḡPsPjCḡ  
CḡP»C-Pr P· PsP±PμCḡPμP¶PSC-CḡC,Cḡ P·P°CḡC,PsCḡPsPICḡPIP°C,Pë CḡPμCḡC,CḡP°P»C-PS  
PḡP°C†C-C”PSC,P°Pj C-P· C,,P°PeC,PsCḡP°PjPë CḡPëP·PëPeCḡ PḡPsPrPsPIP¶PμPSPSCЦ  
C-PSC,PμCḡPIP°P»Cḡ QTc.*

*PμPsCḡPëP»PμPSPSCЦ Pïc-PḡPsPjP°PSC-C— P°P±Ps PjP°PSC-C—*

*PμPsPIC-PrPsPjP»CЦP»PsCḡCЦ PḡCḡPs PIPëPSPëPePSPμPSPSCЦ CḡPëPjPḡC,PsPjC-PI  
PjP°PSC-C—/Pïc-PḡPsPjP°PSC-C— Cḡ PSPμPIPμP»PëPePsPiPs PIC-PrCḡPsC,PeP°  
PḡP°C†C-C”PSC,C-PI, CЦPeC- PsC,CḡPëPjCḡPIP°P»Pë P·P°CḡPμC”CḡC,CḡPsPIP°PSC-  
P°PSC,PëPrPμPḡCḡPμCḡP°PSC,Pë C,P° P°PSC,PëPsP±CḡPμCḡPḡPIPSC- PḡCḡPμPḡP°CḡP°C,Pë,  
PIPëP»CḡC‡P°CḡC‡Pë CḡPμCḡC,CḡP°P»C-PS. PḡPsPjCḡ CḡP»C-Pr P·  
PsP±PμCḡPμP¶PSC-CḡC,Cḡ P·P°CḡC,PsCḡPsPICḡPIP°C,Pë CḡPμCḡC,CḡP°P»C-PS  
PḡP°C†C-C”PSC,P°Pj P· PjP°PSC-C”Cḡ/Pïc-PḡPsPjP°PSC-C”Cḡ PI P°PSP°PjPSPμP·C-.  
PḡPμPsP±C...C-PrPSPëPNḡ CḡPμC,PμP»CḡPSPëPNḡ PSP°PiP»CЦPr P»C-PeP°CḡCЦ. PμCḡPë  
PIPëCЦPIP»PμPSPSC- PsP·PSP°Pe PjP°PSC-P°PeP°P»CḡPSPsC— C,,P°P·Pë  
P·P°CḡC,PsCḡCḡPIP°PSPSCЦ CḡPμCḡC,CḡP°P»C-PSCḡ CḡP»C-Pr PḡCḡPëPḡPḡPSPëC,Pë.*

*PëPëP·PsC,,CḡPμPSC-CЦ*

*PḡP° C,P»C- PḡCḡPëPNḡPsPjCḡ PḡCḡPμPḡP°CḡP°C,Cḡ Cḡ PḡP°C†C-C”PSC,C-PI C-P·  
C€PëP·PsC,,CḡPμPSC-C”Cḡ PjPsP¶CḡC,Cḡ PḡPsCḡPëP»CḡPIP°C,PëCḡCЦ PḡCḡPëC...PsC,PëC‡PSC-  
CḡPëPjPḡC,PsPjPë.*

*PŸCžPrPsPjPë*

*PμCḡPë C,PμCḡP°PḡC-C— CḡPμCḡC,CḡP°P»C-PSPsPj PjPsP¶CḡC,Cḡ PIPëPSPëPeP°C,Pë  
CḡCḡPrPsPjPë: CḡPμCḡC,CḡP°P»C-PS PSPμ CḡP»C-Pr PḡCḡPëP·PSP°C‡P°C,Pë C...PIP°CḡPëPj  
C-P· PSPμCḡC,P°P±C-P»CḡPSPsCḡ PμPḡC-P»PμPḡCḡC-C”Cḡ; Cḡ C...PIP°CḡPëC... C-P·  
PePsPSC,CḡPsP»CḡPsPIP°PSPsCḡ PμPḡC-P»PμPḡCḡC-C”Cḡ P·P°CḡC,PsCḡCḡPIP°PSPSCЦ  
CḡPμCḡC,CḡP°P»C-PSCḡ PḡPsC,CḡPμP±CḡC” CḡPμC,PμP»CḡPSPsPiPs PSP°PiP»CЦPrCḡ.  
PμP°C†C-C”PSC,P°Pj, Cḡ CЦPePëC... PIPëPSPëPeP°CḡC,Cḡ CḡCḡPrPsPjPë, PḡCḡPμPḡP°CḡP°C,  
PSPμPsP±C...C-PrPSPs PIC-PrPjC-PSPëC,Pë.*

*PŸCžC—C†PëPrPë/CḡCžC—C†PëPrP°P»CḡPSC- PrCžPjPePë/CḡCžC—C†PëPrP°P»CḡPSC-  
CḡPḡCḡPsP±Pë P°P±Ps PeP»C-PSC-C‡PSC- PsP·PSP°PePë PḡPsPḡC-CḡC€PμPSPSCЦ*

*PḡPIP°CḡC- P· PrPμPḡCḡPμCḡC-C”Cḡ PjP°CḡC,Cḡ PḡC-PrPIPëC%PμPSCḡ  
CḡC...PëP»CḡPSC-CḡC,Cḡ PrPs PIPëPSPëPePSPμPSPSCЦ CḡCḡC—C†PëPrP°P»CḡPSPëC...  
PrCḡPjPsPe, P·P°PIPḡP°PIP°PSPSCЦ CḡPsP±C- CḡC€PePsPrP¶PμPSCḡ C,P° CḡPḡCḡPsP±  
CḡCḡC—C†PëPrCḡ (CḡCḡC—C†PëPrP°P»CḡPSPëC... PrC-PNḡ C,P° PḡCḡPsCЦPIC-PI). PḡPμPNḡ  
CḡPëP·PëPe C-CḡPSCḡC” P±PμP·PḡPsCḡPμCḡPμPḡPSCḡPs PrPs C‡P°CḡCḡ  
PrPsCḡCЦPiPSPμPSPSCЦ P·PSP°C‡PSPsC— CḡPμPjC-CḡC-C—. PḡCḡPeC-P»CḡPëPë*

PiPsPeCḡP°C%°PSPSCḡ CÍC,P°PSCÍ C...PIPsCḡPëC... PjPsPḡPḡ PIC-PrP±CfPIP°C,PëCÍCḡ  
PiCḡPsC,CḡPiPsPj PiPḡCḡCëPëC... PeC-P»CHḡPePsC... C,PëPḡPSC-PI P°P±Ps P±C-P»CHḡCëPsPiPs  
PiPḡCḡC-PsPrCÍ C,PḡCḡP°PiC-C—, PiP°C†C-C”PSC,P°Pj CÍP»C-Pr PiPḡCḡPḡP±CfPIP°C,Pë  
PiC-Pr CḡPḡC,PḡP»CHḡPSPëPj PSP°PiP»CḡPrPsPj PrPs PSP°CÍC,P°PSPSCḡ C†CHḡPsPiPs  
PiPsPeCḡP°C%°PSPSCḡ. P’P·P°PiP°P»PsPj PeP»C-PSC-C†PSPëPḡ PrPsCÍPIC-Pr  
CÍPIC-PrC†PëC,CHḡ PiCḡPs C,Pḡ, C%°Ps PSP° CḡP°PSPSC-C... PḡC,P°PiP°C... PsPrCfPḡP°PSPSCḡ  
CḡPëP·PëPe CÍCfC—C†PëPrCf PjPsPḡPḡ P·P±C-P»CHḡCëCfPIP°C,PëCÍCḡ.

P†PSCëC- PiCÍPëC...C-C†PSC- CḡPsP·P»P°PrPë, PrP»Cḡ P»C-PeCfPIP°PSPSCḡ CḡPePëC...  
PiCḡPëP·PSP°C†P°CḡC,CHḡ CÍPḡCḡC,CḡP°P»C-PS, C,P°PePsPḡ PjPsPḡCfC,CHḡ P±CfC,Pë  
PiPsPiḡḡ™ CḡP·P°PSC- P· PiC-PrPIPëC%°PḡPSPëPj CḡPëP·PëPePsPj CḡPsP·PIPëC,PeCf  
CÍCfC—C†PëPrP°P»CHḡPSPëC... PrC-Pḡ C,P° PiCḡPsCḡPIC-PI. PḡCḡC-Pj C,PsPiPs, C†C-  
P·P°C...PIPsCḡCḡPIP°PSPSCḡ PjPsPḡCfC,CHḡ P±CfC,Pë CÍCfPiCfC,PSC-PjPë P· PIPḡP»PëPePëPj  
PrPḡPiCḡPḡCÍPëPIPSPëPj CḡPsP·P»P°PrPsPj. PḡP°PePëPj C†PëPSPsPj, P°PSP°P»PsPiC-C†PSC-  
P·P°CÍC,PḡCḡPḡPḡPSC- P·P°C...PsPrPë, C%°Ps CÍC,PsCÍCfCḡC,CHḡCÍCḡ P»C-PeCfPIP°PSPSCḡ  
C...PIPsCḡPëC... P· PIPḡP»PëPePëPj PrPḡPiCḡPḡCÍPëPIPSPëPj CḡPsP·P»P°PrPsPj,  
PSPḡPsP±C...C-PrPSC- C- PiCḡPë P»C-PeCfPIP°PSPSC- PiP°C†C-C”PSC,C-PI P· C-PSCëPëPjPë  
PiCÍPëC...C-C†PSPëPjPë CḡPsP·P»P°PrP°PjPë.

P’C-PrPsPjPs, C%°Ps PrP»Cḡ PiP°C†C-C”PSC,C-PI C-P· CÍCfC—C†PëPrP°P»CHḡPSPëPjPë  
PrC-CḡPjPë C,P° PiCḡPsCḡPIP°PjPë PI P°PSP°PjPSPḡP·C- P°P±Ps PiP°C†C-C”PSC,C-PI, Cf  
CḡPePëC... C%°Pḡ PrPs PiPsC†P°C,PeCf C,PḡCḡP°PiC-C— P·PSP°C†PSPsCḡ PjC-CḡPsCḡ  
PIPëCḡPIP»CḡC”C,CHḡCÍCḡ CÍCfC—C†PëPrP°P»CHḡPSPḡ PjPëCÍP»PḡPSPSCḡ, C-CÍPSCfC”  
P±C-P»CHḡCëPëPḡ CḡPëP·PëPe PIPëPSPëPePSPḡPSPSCḡ CÍCfC—C†PëPrP°P»CHḡPSPëC...  
PrCfPjPsPe P°P±Ps CÍCfC—C†PëPrP°P»CHḡPSPëC... CÍPiCḡPsP± PiC-Pr C†P°CÍ  
P»C-PeCfPIP°PSPSCḡ, CÍ P·Piḡḡ™ CḡP·PeCf P· C†PëPj C—Pj CÍP»C-Pr  
P·PSP°C...PsPrPëC,PëCÍCḡ PiC-Pr CḡPḡC,PḡP»CHḡPSPëPj PSP°PiP»CḡPrPsPj PSP° C,P»C-  
PiCḡPëPḡPsPjCf PiCḡPḡPiP°CḡP°C,Cf. PḡPḡC,P°P°PSP°P»C-P· PrP°PSPëC...,  
PsC,CḡPëPjP°PSPëC... CÍ CḡPḡP·CfP»CHḡC,P°C,C- PiCḡPsPIPḡPrPḡPSPSCḡ PiP»P°C†PḡP±Ps-  
PePsPSC,CḡPsP»CHḡPsPIP°PSPëC... PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrPḡPḡPSCḡ P·  
PIPëPIC†PḡPSPSCḡ P°PSC,PëPrPḡPiCḡPḡCÍP°PSC,C-PI CÍ PrPsCḡPsCÍP»PëC...  
PiP°C†C-C”PSC,C-PI P· PiCÍPëC...C-C†PSPëPjPë CḡPsP·P»P°PrP°PjPë, PiPsPeP°P·P°PI  
PiC-PrPIPëC%°PḡPSPëPḡ CḡPëP·PëPe PiCḡPsCḡPIC-PI CÍCfC—C†PëPrP°P»CHḡPSPsC—  
PiPsPIPḡPrC-PSPëPë PiCḡPë P·P°CÍC,PsCÍCfPIP°PSPSC- P°PSC,PëPrPḡPiCḡPḡCÍP°PSC,C-PI CÍ  
PiP°C†C-C”PSC,C-PI PIC-PePsPj PrPs 25 CḡPsPeC-PI PiPsCḡC-PIPSCḡPSPs P· C,P°PePëPj PiCḡPë  
P·P°CÍC,PsCÍCfPIP°PSPSC- PiP»P°C†PḡP±Ps.

Pk° C,P»C- P·P°CÍC,PsCÍCfPIP°PSPSCḡ C†CHḡPsPiPs P»C-PeP°CḡCÍCHḡPePsPiPs P·P°CÍPsP±Cf  
PiPsPeP°P·P°PSPëPḡ CḡPḡC,PḡP»CHḡPSPëPḡ PSP°PiP»CḡPr P·P° PiP°C†C-C”PSC,P°PjPë,  
P·PsPeCḡPḡPjP° P·P° PiP°C†C-C”PSC,P°PjPë P· PIPëCÍPsPePëPj CḡPëP·PëPePsPj  
CḡPsP·PIPëC,PeCf CÍCfC—C†PëPrP°P»CHḡPSPsCÍC,C-, PsCÍPsP±P»PëPIPs PSP° PiPsC†P°C,PeCf  
C,PḡCḡP°PiC-C— C,P° PiC-CÍP»Cḡ P±CfPrCHḡ-CḡPePëC... P·PjC-PS CÍ PrPsP·CfPIP°PSPSC-  
PiCḡPḡPiP°CḡP°C,Cf. PḡP°C†C-C”PSC,C-PI (C,P° PsCÍC-P±, CḡPeC- P·P° PSPëPjPë  
PrPsPiP»CḡPrP°CḡC,CHḡ) PSPḡPsP±C...C-PrPSPs PiPsPiPḡCḡPḡPrPëC,Pë PiCḡPs  
PSPḡPsP±C...C-PrPSC-CÍC,CHḡ PIC-PrCÍC,PḡPḡCfPIP°C,Pë P±CfPrCHḡ-CḡPeC- PiCḡPsCḡPIPë  
PeP»C-PSC-C†PSPsPiPs PiPsPiC-CḡCëPḡPSPSCḡ, PIPëPSPëPePSPḡPSPSCḡ  
CÍCfC—C†PëPrP°P»CHḡPSPsC— PiPsPIPḡPrC-PSPëPë P°P±Ps CÍCfC—C†PëPrP°P»CHḡPSPëC...  
PrCfPjPsPe, P° C,P°PePsPḡ P±CfPrCHḡ-CḡPePëC... PSPḡP·PIPëC†PSPëC... P·PjC-PS  
PiPsPIPḡPrC-PSPëPë C- PSPḡPiP°PḡPSPs P·PIPḡCḡC,P°C,PëCÍCḡ P·P° PjPḡPrPëC†PSPsCḡ  
PrPsPiPsPjPsPiPsCḡ PiCḡPë PIPëPSPëPePSPḡPSPSC- C†PëC... CÍPëPjPiC,PsPjC-PI.

P—P°CÍC,PsCÍCžPIP°PSPSCḡ PrC-C,CḡPj



SSRIs/SNRIss PjPsP¶CfC,CH P·P±C-P»CHC€PëC,Pë C¶PëP·PëPe  
PiC-CfP»C¶PiPsP»PsPiPsPIPëC... PeC¶PsPIPsC,PµC‡ (PrPëPI. C¶PsP·PrC-P»Pë  
B«P·P°CfC,PsCfCfPIP°PSPSC¶ Cf PiPµC¶C-PsPr PIP°PiC-C,PsPsCfC,C- C,P°  
PiPsPrCfPIP°PSPSC¶ PiC¶CfPrPrC¶B», B«PiPsP±C-C‡PSC- C¶PµP°PeC†C-C—B»).

*P°C-PiPsPSP°C,C¶C-C°PjC-C¶*

Pj C¶PµP·CfP»CHC,P°C,C- C,PµC¶P°PiC-C— P¶P†P—P—P¶ C‡Pë P†P—P—P¶P¶,  
PIPeP»C¶C‡P°C¶C‡Pë CfPµC¶C,C¶P°P»C-PS, PjPsP¶Pµ C¶PsP·PIPëPSCfC,PëCfC¶  
PiC-PiPsPSP°C,C¶C-C°PjC-C¶. Pj P±P°PiP°C,CHPsC... PIPëPiP°PrPeP°C...  
PiC-PiPsPSP°C,C¶C-C°PjC-C¶ C° C¶PµP·CfP»CHC,P°C,PsPj CfPëPSPrC¶PsPjCf  
PSPµP°PrPµPePIP°C,PsPsC— CfPµPeC¶PµC†C-C— P°PSC,PëPrC-CfC¶PµC,PëC‡PSPsPiPs  
PiPsC¶PjPsPSCf. PµPsPIC-PrPsPjP»C¶P»PsCfC¶ PiC¶Ps C¶C-PIPSC- PSP°C,C¶C-C¶ Cf  
CfPëC¶PsPIP°C,C†C- PeC¶PsPIC- PSPëP¶C‡Pµ 110 PjPjPsP»CH/P». Pj PiP°C†C-C°PSC,C-PI  
P»C-C,PSC¶PsPiPs PIC-PeCf PjPsP¶Pµ C-CfPSCfPIP°C,Pë P±C-P»CHC€PëPµ C¶PëP·PëPe  
C¶PsP·PIPëC,PeCf PiC-PiPsPSP°C,C¶C-C°PjC-C— PiC¶Pë P·P°CfC,PsCfCfPIP°PSPSC-  
P¶P†P—P—P¶ C,P° P†P—P—P¶P¶. P¶P°PePsP¶ C¶PëP·PëPe C†CHPsPiPs  
CfCfPeP»P°PrPSPµPSPSC¶ PjPsP¶Pµ P±CfC,Pë PiC-PrPIPëC%PµPSPëPj Cf PiP°C†C-C°PSC,C-PI,  
C¶PeC- PiC¶PëPµPjP°C¶C,CH PrC-CfC¶PµC,PëPePë P°P±Ps Cf PiP°C†C-C°PSC,C-PI P·  
PiC-PiPsPIPsP»PµPjC-C°C¶ P±CfPrCH-C¶PePsPiPs C-PSC€PsPiPs PiPsC...PsPrP¶PµPSPSC¶  
(PrPëPI. C¶PsP·PrC-P» B«P—P°CfC,PsCfCfPIP°PSPSC¶ PiP°C†C-C°PSC,P°Pj P»C-C,PSC¶PsPiPs  
PIC-PeCfB»). Pj PiP°C†C-C°PSC,C-PI C-P· CfPëPjPiC,PsPjPSPsC¶  
PiC-PiPsPSP°C,C¶C-C°PjC-C°C¶ CfP»C-Pr C¶PsP·PiP»C¶PSCfC,Pë PiC¶PëPiPëPSPµPSPSC¶  
C,PµC¶P°PiC-C— CfPµC¶C,C¶P°P»C-PSPsPj C- P·P°PiC¶PsPIP°PrPëC,Pë PIC-PrPiPsPIC-PrPSPµ  
PjPµPrPëC‡PSPµ PIC,C¶CfC‡P°PSPSC¶. P°Ps PsP·PSP°Pe C- CfPëPjPiC,PsPjC-PI  
PiC-PiPsPSP°C,C¶C-C°PjC-C— PSP°P»PµP¶P°C,CH PiPsP»PsPIPsPëPµ P±C-P»CH,  
C,C¶CfPrPSPsC%C- P· PePsPSC†PµPSC,C¶P°C†C-C°C¶, PiPsPiC-C¶C€PµPSPSC¶  
PiP°PjB¶ C¶C,C-, CfPiP»CfC,P°PSC-CfC,CH CfPIC-PrPsPjPsCfC,C-, CfP»P°P±PeC-CfC,CH C-  
PIC,C¶P°C,P° C,,C-P·PëC‡PSPsC— C¶C-PIPSPsPIP°PiPë, C%Ps PjPsP¶Pµ PiC¶PëP·PIPµCfC,Pë  
PrPs PiP°PrC-PSCH. P¶P·PSP°PePë C- CfPëPjPiC,PsPjPë, P°CfPsC†C-PµPsPIP°PSC- P·  
P±C-P»CHC€ C,C¶P¶PePëPjPë C,P°/P°P±Ps PiPsCfC,C¶PëPjPë PµPiC-P·PsPrP°PjPë  
PiC-PiPsPSP°C,C¶C-C°PjC-C—, PIPeP»C¶C‡P°C¶C,CH PiP°P»C¶C†PëPSP°C†C-C—,  
CfPëPSPePsPiPµ, CfCfPrPsPjPë, PePsPjCf, P·CfPiPëPSPeCf PrPëC...P°PSPSC¶ C,P°  
P»PµC,P°P»CHPSPëPµ PSP°CfP»C-PrPsPe.

*P¶PëPjPiC,PsPjPë PIC-PrPjC-PSPë, C%Ps CfPiPsCfC,PµC¶C-PiP°C¶C,CHCfC¶ PiC¶Pë  
PiC¶PëPiPëPSPµPSPSC- C,PµC¶P°PiC-C— CfPµC¶C,C¶P°P»C-PSPsPj*

P¶PëPjPiC,PsPjPë PIC-PrPjC-PSPë C° C‡P°CfC,PëPj C¶PIPëC%PµPj PiC¶Pë  
PiC¶PëPiPëPSPµPSPSC- C,PµC¶P°PiC-C— PiC¶PµPiP°C¶P°C,PsPj, PsCfPsP±P»PëPIPs Cf  
PIPëPiP°PrPeCf C¶P°PiC,PsPIPsC— PIC-PrPjC-PSPë C,PµC¶P°PiC-C— (PrPëPI. C¶PsP·PrC-P»  
B«PµPsP±C-C‡PSC- C¶PµP°PeC†C-C—B»). P—P° PrP°PSPëPjPë PeP»C-PSC-C‡PSPëC...  
PrPsCfP»C-PrP¶PµPSC¶, Cf PiP°C†C-C°PSC,C-PI, C¶PeC- PiC¶PëPiPëPSPëP»Pë  
P·P°CfC,PsCfCfPIP°PSPSC¶ CfPµC¶C,C¶P°P»C-PSCf, C‡P°CfC,PsC,P° C¶PµP°PeC†C-Pµ  
PIC-PrPjC-PSPë CfC,P°PSPsPIPëP»P° 23 % PiPsC¶C-PIPSC¶PSPs P· 12 % Cf  
PiP°C†C-C°PSC,C-PI, C¶PeC- PiC¶PsPrPsPIP¶CfPIP°P»Pë PsC,C¶PëPjCfPIP°C,Pë  
C,PµC¶P°PiC-C¶ CfPµC¶C,C¶P°P»C-PSPsPj.

P PëP·PëPe C¶PsP·PIPëC,PeCf CfPëPSPrC¶PsPjCf PIC-PrPjC-PSPë PjPsP¶Pµ  
P·P°P»PµP¶P°C,Pë PIC-Pr PeC-P»CHPePsC... C,,P°PeC,PsC¶C-PI, PIPeP»C¶C‡P°C¶C‡Pë  
C,C¶PëPiP°P»C-CfC,CH C,PµC¶P°PiC-C—, PrPsP·CfPIP°PSPSC¶ C,P°

C€PIPëPrPeC-CÍC,CH P·PSPëP¶PµPSPSCÍ PrPsP·Pë. PkP°PNëC±P°CÍC,C-C€Pµ  
PìPsPIC-PrPsPjP»CÍP»PScÍCÍ PìC¶Ps C,P°PeC- C¶PµP°PeC†C-C— CÍPe  
P·P°PìP°PjPsC¶PµPSPSCÍ, CÍPµPSCÍPsC¶PSC- PìPsC¶CíC€PµPSPSCÍ  
(PIPeP»C¶C±P°C¶C±Pë PìP°C¶PµCÍC,PµP·C-C¶), PìPsC¶CíC€PµPSPSCÍ CÍPSCí  
(PIPeP»C¶C±P°C¶C±Pë P±PµP·CÍPsPSPSCÍ C,P° CÍCÍPeC¶P°PIC-  
CÍPSPsPIPëPrC-PSPSCÍ), P·P±CíPrP¶PµPSPSCÍ P°P±Ps PIC-PrC±CíC,C,CÍ  
C,C¶PëPIPsP¶PSPsCÍC,C-, PSCíPrPsC,P° C,P°/P°P±Ps P±P»C¶PIP°PSPSCÍ,  
C,C¶PµPjPsC¶ C- PìPsP»PsPIPSPëPNë P±C-P»CH. P—P°PìP°P»PsPj C†C- CÍPëPjPìC,PsPjPë  
P±CíP»Pë P»PµPìPePsPìPs P°P±Ps PìPsPjC-C¶PSPsPìPs CÍC,CíPìPµPSCÍ  
C,CÍP¶PePsCÍC,C-, PsPrPSP°Pe Cí PrPµCÍPePëC... PìP°C†C-C”PSC,C-PI PIPsPSPë  
PjPsP¶CíC,CH P±CíC,Pë C,CÍP¶PePëPjPë. P—P°P·PIPëC±P°PNë PIPsPSPë  
PIPëPSPëPeP°C¶C,CH PìC¶PsC,CÍPìPsPj PìPµC¶C€PëC... PeC-P»CHPePsC... PrPSC-PI  
PìC-CÍP»CÍ PìC¶PëPìPëPSPµPSPSCÍ C,PµC¶P°PìC-C—, Cí PrCíP¶Pµ  
C¶C-PrPeC-CÍPSPëC... PIPëPìP°PrPeP°C... C,P°PeC- CÍPëPjPìC,PsPjPë  
PIC-PrP·PSP°C±P°P»PëCÍCÍ Cí PìP°C†C-C”PSC,C-PI, CÍPeC- PIPëPìP°PrPePsPIPs  
PìC¶PsPìCíCÍC,PëP»Pë PìC¶PëPNëPsPj PrPsP·Pë PìC¶PµPìP°C¶P°C,Cí. Pj  
P±C-P»CHC€PsCÍC,C- PIPëPìP°PrPeC-PI C†C- CÍPëPjPìC,PsPjPë PjPëPSP°C¶C,CH  
CÍP°PjPsCÍC,C-PNëPSPs PìC¶PsC,CÍPìPsPj 2 C,PëP¶PSC-PI, C...PsC±P° Cí  
PrPµCÍPePëC... PìP°C†C-C”PSC,C-PI PIPsPSPë PjPsP¶CíC,CH C,C¶PëPIP°C,Pë  
PrPsPIC€Pµ (2-3 PjC-CÍCÍC†C- C±Pë P±C-P»CHC€Pµ). PÿP°PePëPj C±PëPSPsPj,  
C¶PµPePsPjPµPSPPrCíC”C,CHCÍCÍ PìPsCÍC,CíPìPsPIPs P·PjPµPSC€CíPIP°C,Pë PrPsP·Cí  
CÍPµC¶C,C¶P°P»C-PSCí PìC¶Pë PìC¶PëPìPëPSPµPSPSC- C,PµC¶P°PìC-C—  
PìC¶PµPìP°C¶P°C,PsPj PìC¶PsC,CÍPìPsPj PìPµC¶C-PsPrCí Cí PeC-P»CHPeP°  
C,PëP¶PSC-PI C±Pë PjC-CÍCÍC†C-PI PIC-PrPìPsPIC-PrPSPs PrPs PìPsC,C¶PµP±  
PìP°C†C-C”PSC,P° (PrPëPI. C¶PsP·PrC-P» B«PÿPìPsCÍC-P± P·P°CÍC,PsCÍCíPIP°PSPSCÍ  
C,P° PrPsP·PëB»).

*P¶PeP°C,PëP·C-CÍ/PìCÍPëC...PsPjPsC,PsC¶PSPëPNë PSPµCÍPìPsPeC-PNë*

P—P°CÍC,PsCÍCíPIP°PSPSCÍ CÍPµC¶C,C¶P°P»C-PSCí P°CÍPsC†C-C¶C”C,CHCÍCÍ P·  
C¶PsP·PIPëC,PePsPj P°PeP°C,PëP·C-C—, C°Ps C...P°C¶P°PeC,PµC¶PëP·CíC”C,CHCÍCÍ  
CÍCíP±B¶™ C”PeC,PëPIPSPs PSPµPìC¶PëC”PjPSPëPj P°P±Ps PSPµPIP°PjPsPIPSPëPj  
PSPµCÍPìPsPePsC”Pj C,P° PìPsC,C¶PµP±PsC¶ C¶CíC...P°C,PëCÍCÍ, C°Ps C±P°CÍC,Ps  
CÍCíPìC¶PsPIPsPrP¶CíC”C,CHCÍCÍ PSPµP·PrP°C,PSC-CÍC,C¶ CÍPëPrC-C,Pë C±Pë  
CÍC,PsCÍC,Pë CÍPìPsPeC-PNëPSPs. P PëP·PëPe PIPëPSPëPePSPµPSPSCÍ C,P°PePëC...  
CíCÍPeP»P°PrPSPµPSC¶ PSP°PNëP±C-P»CHC€PëPNë PìC¶PsC,CÍPìPsPj PìPµC¶C€PëC...  
PeC-P»CHPePsC... C,PëP¶PSC-PI C,PµC¶P°PìC-C—. Pj PìP°C†C-C”PSC,C-PI, Cí CÍPePëC...  
C¶PsP·PIPëPIP°C¶C,CHCÍCÍ C†C- CÍPëPjPìC,PsPjPë, P·P±C-P»CHC€PµPSPSCÍ PrPsP·Pë  
PjPsP¶Pµ P±CíC,Pë C€PeC-PrP»PëPIPëPj.

*P—P°CÍC,PsCÍCíPIP°PSPSCÍ PìC¶Pë PìPµC±C-PSPePsPIC-PNë PSPµPrPsCÍC,P°C,PSPsCÍC,C-*

PÿPµC¶C,C¶P°P»C-PS C-PSC,PµPSCÍPëPIPSPs PjPµC,P°P±PsP»C-P·CíC”C,CHCÍCÍ Cí  
PìPµC±C-PSC†C-. P—P° C¶PµP·CíP»CHC,P°C,P°PjPë C,,P°C¶PjP°PePsPeC-PSPµC,PëC±PSPsPìPs  
PrPsCÍP»C-PrP¶PµPSPSCÍ P· P±P°PìP°C,PsPeC¶P°C,PSPëPj PìC¶PëPNëPsPjPsPj  
PìC¶PµPìP°C¶P°C,Cí Cí PìP°C†C-C”PSC,C-PI P·C- CÍC,P°P±C-P»CHPSPëPj C†PëC¶PsP·PsPj  
P»PµPìPePsPìPs CÍC,CíPìPµPSCÍ CÍPìPsCÍC,PµC¶C-PìP°P»PsCÍCÍ PìPsPrPsPIP¶PµPSPSCÍ  
PìPµC¶C-PsPrCí PSP°PìC-PIPIPëPIPµPrPµPSPSCÍ C,P° P·P±C-P»CHC€PµPSPSCÍ AUC C,P° C<sub>max</sub>  
PìC¶PëP±P»PëP·PSPs PIC,C¶PëC±C- PìPsC¶C-PIPSCÍPSPs P· C†PëPjPë PìPsPeP°P·PSPëPeP°PjPë

PI PsCfC-P± C-P· PSpSChPjP°P»CHbPSPsCh C,,CfPSPeCfC-C"Ch PiPμCfC-PSPePë.  
P—PSP°CfC%PëC... PIC-PrPjC-PSpSPsCfC,PμPNë Cf CfC,CfPiPμPSC-  
P·PiBh™ CIP·CfPIP°PSPSCfC PiChPμPiP°ChP°C,Cf P· P±C-P»PeP°PjPë PiP»P°P·PjPë PeChPSPIC-  
PjC-P¶ C†PëPjPë PrPIPSPjP° PiChCfPiP°PjPë CfCfP°CfPSPëPeC-PI PrPsCfP»C-PrP¶PμPSPSCfC  
PSPμ PIPëCfPIP»PμPSPs. PÿP»C-Pr P±CfC,Pë PsP±PμChPμP¶PSPëPjPë PiChPë  
P·P°CfC,PsCfCfPIP°PSPSC- CfPμCfC,CfP°P»C-PSCf PiP°CfC-C"psc,P°Pj C-P·  
PiP°C,PsP»PsPiC-C"Ch PiPμCfC-PSPePë. PJ PIPëPiP°PrPeCf PiChPëP·PSP°CfPμPSPSCfC  
CfPμCfC,CfP°P»C-PSCf PiP°CfC-C"psc,P°Pj C-P· PiPsChCfCεPμPSPSCfCfPjPë C,,CfPSPeCfC-C—  
PiPμCfC-PSPePë PSPμPsP±C...C-PrPSPs P·PIP°P¶PëC,Pë PrPsCfC-P»CHbPSC-CfC,Ch  
P·PjPμPSCεPμPSPSCfC PrPsP·Pë P°P±Ps CfP°CfC,PsC,Pë PiChPëPNëPsPjCf PiChPμPiP°ChP°C,Cf.  
PÿPμCfC,CfP°P»C-PS PSPμ CfP»C-Pr P·P°CfC,PsCfPsPICfPIP°C,Pë PiP°CfC-C"psc,P°Pj P·  
C,CfP¶PePsCh PiPμCfC-PSPePsPIPSPsCh PSPμPrPsCfC,P°C,psc-CfC,Ch (PrPëPI. ChPsP·PrC-P»  
B«PÿPiPsCfC-P± P·P°CfC,PsCfCfPIP°PSPSCfC C,P° PrPsP·PëB»).

*P—P°CfC,PsCfCzPIP°PSPSCfC PiChPë PSPëChPePsPIC-PNë PSPμPrPsCfC,P°C,PSPsCfC,C-*

PÿPμCfC,CfP°P»C-PS C-PSC,PμPSCfPëPIPSPs PjPμC,P°P±PsP»C-P·CfC"ChCfCfCfC;  
PIPëPIPμPrPμPSPSCfC PSPμP·PjC-PSpPSPsC— CfPiPsP»CfPePë C-P· CfPμCfPμCh C"  
PrChCfPiPsChCfCfPSPëPj CεP»CfC...PsPj PμP»C-PjC-PSP°CfC-C—. PJ  
PrPsCfP»C-PrP¶PμPSPSCfC... P· CfCfP°CfC,Ch PiP°CfC-C"psc,C-PI C-P·  
PiPsChCfCεPμPSPSCfCfC,,CfPSPeCfC-C— PSPëChPsPe PIC-Pr P»PμPiPePsPiPs PrPs  
CfPμCfPμPrPSCbPsPiPs CfC,CfPiPμPSCfC (PeP»C-ChPμPSCfC PeChPμP°C,PëPSC-PSCf 30-60  
PjP»/C...PI) P°P±Ps PIC-Pr CfPμChPμPrPSCbPsPiPs PrPs C,CfP¶PePsPiPs CfC,CfPiPμPSCfC  
(PeP»C-ChPμPSCfC PeChPμP°C,PëPSC-PSCf 10-29 PjP»/C...PI)  
C,,P°ChPjP°PePsPeC-PSpμC,PëCfPSC- PiP°ChP°PjPμC,ChPë (AUC<sub>0-24</sub> C,P° C<sub>max</sub>) PiChPë  
P±P°PiP°C,PsPeChP°C,PSPsPjCf PiChPëPNëPsPjC- PiChPμPiP°ChP°C,Cf P±CfP»Pë P±PμP·  
CfC,P°C,PëCfC,PëCfPSPs P·PSP°CfC%PëC... PIC-PrPjC-PSpSPsCfC,PμPNë PIC-Pr C†PëC...  
PiPsPeP°P·PSPëPeC-PI Cf PiChCfPiC- PePsPSC,ChPsP»Ch. PkPμPjP°C"  
PSPμPsP±C...C-PrPSPsCfC,C- Cf PePsChPëPiCfPIP°PSPSC- PrPsP·Pë P·P°P»PμP¶PSPs PIC-Pr  
CfC,CfPiPμPSCfC PiPsChCfCεPμPSCb C,,CfPSPeCfC-C— PSPëChPsPe.

*P—P°CfC,PsCfCzPIP°PSPSCfC PiP°CfC-C"psc,P°Pj P»C-C,PSChPsPiPs PIC-PeCz*

PJ PeP»C-PSC-CfPSPëC... PrPsCfP»C-PrP¶PμPSPSCfC... P±ChP°P»Pë CfCfP°CfC,Ch  
PiPsPSP°Pr 700 PiP°CfC-C"psc,C-PI P»C-C,PSChPsPiPs PIC-PeCf (PIC-PePsPj > 65 ChPsPeC-PI).  
PfP°ChP°PeC,PμCh C- CfP°CfC,PsC,P° ChPsP·PIPëC,PeCf PiPsP±C-CfPSPëC... ChPμP°PeCfC-PNë  
Cf PiP°CfC-C"psc,C-PI P»C-C,PSChPsPiPs PIC-PeCf P±CfP»Pë PiPsPrC-P±PSPëPjPë PrPs  
C,P°PePëC..., C%Ps CfPiPsCfC,PμChC-PiP°P»PëCfCh Cf PjPsP»PsPrCεPëC...  
PiP°CfC-C"psc,C-PI.

PkPrPSP°Pe P·P°CfC,PsCfCfPIP°PSPSCfC PÿP†P—P—Pÿ C,P° P†P—P—PkPÿ,  
PIPëP»ChCfP°ChCfPë CfPμCfC,CfP°P»C-PS, P±CfP»Ps PiPsPiBh™ CIP·P°PSPμ P·  
PIPëPiP°PrPeP°PjPë PeP»C-PSC-CfPSPs P·PSP°CfC%PsC— PiC-PiPsPSP°C,ChC-C"pjc-C— Cf  
PiP°CfC-C"psc,C-PI P»C-C,PSChPsPiPs PIC-PeCf, PI CIPëPëC... PjPsP¶Pμ  
CfPiPsCfC,PμChC-PiP°C,PëCfCfCf P±C-P»ChCεPëPNë ChPëP·PëPe ChPsP·PIPëC,PeCf  
C†ChPsPiPs PiPsP±C-CfPSPsPiPs CIPIPëC%P° (PrPëPI. B«P"C-PiPsPSP°C,ChC-C"pjc-CfC» Cf  
ChPsP·PrC-P»C- B«PkCfPsP±P»PëPiPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCfC»).

*PfCzPeChPsPIPëPNë PrC-P°P±PμC,*

PJ PiP°CfC-C"psc,C-PI P· C†CfPeChPsPIPëPj PrC-P°P±PμC,PsPj, P·P°CfC,PsCfCfPIP°PSPSCfC  
PÿP†P—P—Pÿ PjPsP¶Pμ PIPiP»PëPIP°C,Pë PSP° PiPsPeP°P·PSPëPePë PiP»C-PePμPjC-CfPSPsPiPs

PePsPSC,CTjPsP»CĤ. P”PsP·CfPIP°PSPSCĬ C-PSCÍCfP»C-PSCr C,P°/P°P±Ps  
PĭPμCTjPsCTjP°P»CĤPSPsPiPs PiC-PiPsPiP»C-PePμPjC-C†PSPsPiPs P·P°CÍPsP±Cf PjPsP¶Pμ  
PĭPsC,CTjPμP±CfPIP°C,Pë PePsCTjPëPiCfPIP°PSPSCĬ.

*P·P»PμPeC,CTjPsCεPsPePsPIP° C,PμCTjP°PiC-CĬ*

PĤP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PμPSCĤ, CÍPiCTjCĬPjPsPIP°PSC- PSP°  
PIPëPIC†PμPSPSCĬ CTjPëP·PëPeC-PI P°P±Ps PĭPμCTjPμPIP°Pi PePsPjP±C-PSPsPIP°PSPsPiPs  
P·P°CÍC,PsCÍCfPIP°PSPSCĬ P·PëPÿ C,P° CÍPμCTjC,CTjP°P»C-PSCr, PSPμ PiCTjPsPiPsPrPëP»Pë.

*P”CTjPμPNëPiC,,CTjCzC,PsPIPëPNë CÍC-Pe*

PĤPrPSPsC†P°CÍPSPμ P·P°CÍC,PsCÍCfPIP°PSPSCĬ CÍPμCTjC,CTjP°P»C-PSCr P·  
PiCTjPμPNëPiC,,CTjCfC,PsPIPëPj CÍPsPePsPj PSPμ CTjPμPePsPjPμPSPrPsPIP°PSPμ (PrPëPI.  
CTjPsP·PrC-P»B B«P’P·P°C”PjPsPrC-CĬ P· C-PSCεPëPjPë P»C-PeP°CTjCÍCĤPePëPjPë  
P·P°CÍPsP±P°PjPë C,P° C-PSCεC- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»).

*P’P·P°C”PjPsPrC-CĬ P·C- CÍPeCTjPëPSC-PSPiPsPIPëPj P°PSP°P»C-P·PsPj CÍPμC†C-*

PĤC,CTjPëPjP°PSC- PĭPsPIC-PrPsPjP»PμPSPSCĬ C%PsPrPs C...PëP±PSPs-PiPsP·PëC,PëPIPSPëC...  
C-PjCfPSPsP»PsPiC-C†PSPëC... CÍPeCTjPëPSC-PSPiPsPIPëC... C,PμCÍC,C-PI CÍPμC†C- PSP°  
PIPëP·PSP°C†PμPSPSCĬ PIPjC-CÍC,Cf P±PμPSP·PsPrC-P°P·PμPiC-PSC-PI Cf  
PĭP°C†C-C”PSC,C-PI, CĬPeC- PiCTjPëPNëPjP°P»Pë CÍPμCTjC,CTjP°P»C-PS. PÍPëP±PSPs-  
PĭPsP·PëC,PëPIPSC- CTjPμP·CfP»CĤC,P°C,Pë P·CfPjPsPIP»PμPSC- PSPëP·CĤPePsCĤ  
CÍPĭPμC†PëC,,C-C†PSC-CÍC,CĤ PIPeP°P·P°PSPsPiPs P»P°P±PsCTjP°C,PsCTjPSPsPiPs C,PμCÍC,Cf  
C,P° PjPsP¶CfC,CĤ CÍPĭPsCÍC,PμCTjC-PiP°C,PëCÍCĬ PIPĭCTjPsPrPsPIP¶ PeC-P»CĤPePsC...  
PrC-P± PiC-CÍP»CĬ PiCTjPëPiPëPSPμPSPSCĬ P»C-PeCfPIP°PSPSCĬ CÍPμCTjC,CTjP°P»C-PSPsPj.  
P”PëC,,PμCTjPμPSC†C-CĤPIP°C,Pë CÍPμCTjC,CTjP°P»C-PS PIC-Pr  
P±PμPSP·PsPrC-P°P·PμPiC-PSC-PI Cf CÍPμC†C- PjPsP¶P»PëPIPs CεP»CĬC...PsPj  
PĭCTjPsPIPμPrPμPSPSCĬ CfC,PsC†PSCĤPIP°P»CĤPSPëC... C,PμCÍC,C-PI BĤ” PiP°P·PsPiPsC—  
C...CTjPsPjP°C,PsPiCTjP°C,,C-C—/PjP°CÍ-CÍPĭPμPeC,CTjPsPjPμC,CTjC-C—.

*P—P°PeCTjPëC,PsPeCzC,PsPIP° PiP»P°CzPePsPjP°*

PμCTjPμPiP°CTjP°C,Pë PeP»P°CÍCf PÿP†P—P—Pÿ, Cf C,PsPjCf C†PëCÍP»C-  
CÍPμCTjC,CTjP°P»C-PS, PjPsP¶CfC,CĤ PIPĭP»PëPIP°C,Pë PSP° CTjPsP·PjC-CTj P·C-PSPëC†C- P·  
CTjPsP·PIPëC,PePsPj PjC-PrCTjC-P°P·Cf. PÿP°PePëPNë PμC,,PμPeC, PjPsP¶Pμ  
PiCTjPëP·PiPsPrPëC,Pë PrPs P·PICfP¶PμPSPSCĬ PeCfC,P° PsPeP° P· PĭPsPrP°P»CĤCεPëPj  
PiC-PrPIPëC%PμPSPSCĬPj PIPSCfC,CTjC-CεPSCĤPsPsC†PSPsPiPs C,PëCÍPeCf C,P°  
CTjPsP·PIPëC,PePsPj P·P°PeCTjPëC,PsPeCfC,PsPiPsC— PiP»P°CfPePsPjPë, PsCÍPsP±P»PëPIPs Cf  
PĭP°C†C-C”PSC,C-PI P· PIC-PrPiPsPIC-PrPSPsCĤ CÍC...PëP»CĤPSC-CÍC,CĤ.  
PÿPμCTjC,CTjP°P»C-PS CÍP»C-Pr P·P°CÍC,PsCÍPsPICfPIP°C,Pë P· PsP±PμCTjPμP¶PSC-CÍC,CĤ  
PĭP°C†C-C”PSC,P°Pj C-P· P·P°PeCTjPëC,PsPeCfC,PsPiPsCĤ PiP»P°CfPePsPjPsCĤ C,P°  
PiP»P°CfPePsPjPsCĤ PI P°PSP°PjPSPμP·C-.

***P—P°CÍC,PsCÍCzPIP°PSPSCĬ Cz PĭPμCTjC-PsPr PIP°PiC-C,PSPsCÍC,C- P°P±Ps  
PiPsPrCzPIP°PSPSCĬ PiCTjCzPrPrCĤ.***

*P’P°PiC-C,PSC-CÍC,CĤ*

PkPμ C-CÍPSCfC” PrPsP±CTjPμ PePsPSC,CTjPsP»CĤPsPIP°PSPëC... PIPëPIC†PμPSCĤ

PiC7PμPiP°C7P°C,Cf P· CfC±P°CfC,C7 PIP°PiC-C,PSPeC... P¶C-PSPsPe. PhPrPSP°Pe  
CfCfC,C,C"PIP° PeC-P»CHPeC-CfC,CH PrP°PSPeC... PSPμ PIPeCfIPIP»CfC" PrPsPeP°P-C-PI  
C%PsPrPs PIPePSPePePSPμPSPSCf PIC7PsPrP¶PμPSPeC... PIP°Pr C7PsP·PIPeC,PeCf PiP»PsPrP°  
C±PμC7PμP· P·P°CfC,PsCfCfPIP°PSPSCf CfPμC7C,C7P°P»C-PSCf. Pj  
PrPsCfP»C-PrP¶PμPSPSCfC... PSP° C,PIP°C7PēPSP°C... P±CfP»Ps PIPeCfIPIP»PμPSPs  
PIPiP»PēPI PSP° C7PμPiC7PsPrCfPeC,PēPIPSCf C,,CfPSPeCfC-C7, PIC-C7PsPiC-PrPSPs, Cf  
P·PIb7™ CfP·PeCf P· C,PsPeCfPēC±PSPsC7 PrC-C"7 PiC7PμPiP°C7P°C,Cf PSP°  
PsC7PiP°PSC-P·Pj PjP°C,PμC7C-, CfPiC7PēC±PēPSPμPSPsC7  
C,,P°C7PjP°PePsPrPēPSP°PjC-C±PSPsC7 PrC-C"7 PiC7PμPiP°C7P°C,Cf C,P°/P°P±Ps  
PiC7CfPjPsC7 C,,P°C7PjP°PePsPrPēPSP°PjC-C±PSPsC7 PrC-C"7 PiC7PμPiP°C7P°C,Cf PSP°  
PiP»C-Pr.

PμPsPIC-PrPsPjP»CfP»PsCfCf, C%Ps P·P°CfC,PsCfCfPIP°PSPSCf CfPμC7C,C7P°P»C-PSCf Cf  
PiPμC7C-PsPr PIP°PiC-C,PSPsCfC,C- CfPiC7PēC±PēPSCfC" Cf PrPμCfPePēC...  
PSPsPIPSP°C7PsPrP¶PμPSPeC... (PjP°C,PμC7C- CfPePēC... PiC7PēPNēPjP°P»Pē  
CfPμC7C,C7P°P»C-PS), CfPēPjPiC,PsPjPē, PiPsPrC-P±PSC- PrPs C7PμP°PeCfC-PNē  
PIC-PrPjC-PSPe. PiPμPNē C,,PμPSPsPjPμPS C,P°PePsP¶ CfPiPsCfC,PμC7C-PiP°PICfCf PiC7Pē  
P·P°CfC,PsCfCfPIP°PSPSC- C-PSCePēC... P°PSC,PēPrPμPiC7PμCfP°PSC,C-PI PeP»P°CfCf  
PŸP†P—P—PŸ.

P"°PSC- CfPiPsCfC,PμC7PμP¶PμPSC7 PIPeP°P·CfC7C,CH PSP° PiC-PrPIPeC%PμPSPePNē  
C7PēP·PēPe (PjPμPSCe PSC-P¶ Cf 2 C7P°P·Pē) PiC-CfP»CfPiPsP»PsPiPsPIPSC—  
PeC7PsPIPSC,PμC±C- PiC-CfP»Cf P·P°CfC,PsCfCfPIP°PSPSCf PIPiP»PēPICf SSRI/SNRI  
PiC7PsC,CfPiPsPj PjC-CfCfCfCf PrPs PSP°C7PsPrP¶PμPSPSCf (PrPēPI. C7PsP·PrC-P»Pē  
B«PsCfPs±P»PēPIC- P·P°CfC,PsCfCfPIP°PSPSCfB», B«PiPsP±C-C±PSC- C7PμP°PeCfC-C—B»).

PŸPμC7C,C7P°P»C-PS PSPμ C7PμPePsPjPμPSPPrCfC"7,C7CfCf P·P°CfC,PsCfPsPICfPIP°C,Pē Cf  
PiPμC7C-PsPr PIP°PiC-C,PSPsCfC,C-, PeC7C-Pj PIPePiP°PrPeC-PI, PePsP»Pē  
PeP»C-PSC-C±PSPePNē CfC,P°PS P¶C-PSPePē C,P°PePēPNē, C%Ps PsC±C-PeCfPIP°PSC-  
PiPμC7PμPIP°PiPē PIC-Pr P·P°CfC,PsCfCfPIP°PSPSCf PiC7PμPiP°C7P°C,Cf  
PiPμC7PμPIPeC%CfC7C,CH PiPsC,PμPSCfC-PNēPSPePNē C7PēP·PēPe.

P-C-PSPePē C7PμPiC7PsPrCfPeC,PēPIPSPsPiPs PIC-PeCf PiC7Pē PiC7PēPNēPsPjC-  
CfPμC7C,C7P°P»C-PSCf PjP°C7C,CH P·P°CfC,PsCfPsPICfPIP°C,Pē PIC-PrPiPsPIC-PrPSC-  
P·P°CfPs±Pē PePsPSC,C7P°CfPμPiCfC-C—.

PŸP»C-Pr PSP°PiP»CfPrP°C,Pē P·P° PSPsPIPSPSP°C7PsPrP¶PμPSPePjPē, CfPeC%Ps PjP°C,Pē  
PiC7PsPrPsPIP¶CfC" P·P°CfC,PsCfCfPIP°PSPSCf CfPμC7C,C7P°P»C-PSCf PSP° PiC-P·PSC-C...  
C,PμC7PjC-PSP°C... PIP°PiC-C,PSPsCfC,C-, PsCfPs±P»PēPIPs Cf P†P†P† C,C7PēPjPμCfC,C7C-  
PμC-CfP»Cf P·P°CfC,PsCfCfPIP°PSPSCf CfPμC7C,C7P°P»C-PSCf PSP° PiC-P·PSC-C...  
CfC,P°PrC-CfC... PIP°PiC-C,PSPsCfC,C- Cf PSPsPIPSPSP°C7PsPrP¶PμPSPeC... PjPsP¶CfC,CH  
PIPePSPePeP°C,Pē PSP°CfC,CfPiPSC- CfPēPjPiC,PsPjPē: C7PμCfPiC-C7P°C,PsC7PSPePNē  
PrPēCfC,C7PμCf-CfPēPSPPrC7PsPj, CfC-P°PSPsP·, P°PiPSPsPμ, CfCfPrPsPjPē,  
C,PμPjPiPμC7P°C,CfC7PSP° PSPμCfC,P°P±C-P»CHPSC-CfC,CH, C,C7CfPrPSPsC%C- P·  
PiPsPrCfPIP°PSPSCfPj, P±P»C7PIP°PSPSCf, PiC-PiPsPiP»C-PePμPjC-Cf,  
PiC-PiPμC7C,PsPSCfCf, PiC-PiPsC,PsPSCfCf, PiC-PiPμC7C7PμC,,P»PμPeCfC-Cf,  
C,C7PμPjPsC7, CfPēPSPPrC7PsPj PiC-PrPIPeC%PμPSPsC— PSPμC7PIPSPs-  
C7PμC,,P»PμPeC,PsC7PSPsC— P·P±CfPrP»PēPIPsCfC,C-, PrC7P°C,C-PIP»PēPIC-CfC,CH,  
PjP»CfPIC-CfC,CH/P°PiP°C,PēC±PSC-CfC,CH, PiPsCfC,C-PNēPSPePNē PiP»P°C±,  
CfPsPSP»PēPIC-CfC,CH C- C,C7CfPrPSPsC%C- P· P·P°CfPēPSP°PSPSCfPj. PiC-  
CfPēPjPiC,PsPjPē PjPsP¶CfC,CH P±CfC,Pē P·CfPjPsPIP»PμPSPePjPē C-PSCePēPjPē  
CfPμC7PsC,PsPSC-PSPμC7PiC-C±PSPePjPē PμC,,PμPeC,P°PjPē P°P±Ps CfPēPjPiC,PsPjP°PjPē

PIC-PrPjC-PSPë. PJ P±C-P»CHC€PsCÍC,C- PIPëPíP°PrPeC-PI C†C- C†C†PeP»P°PrPSPµPSPSCÍ CĤPsP·PIPëPIP°CĤC,CHCÍCÍ CÍ PsPrCĤP°P·C† P¶ PíC-C†P»CÍ PíPsP»PsPiC-PI P°P±Ps PSP°PNëP±P»PëP¶C†PëPj C†P°C†PsPj (PíCĤPsC,CÍPiPsPj PjPµPSC€ PSC-P¶ 24 PiPsPrPëPS).

P—PiC-PrPSPs P· PrP°PSPëPjPë PµPíC-PrPµPjC-PsP»PsPiC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSCĤ PsC†C-PeC†C”C,CHCÍCÍ CÍ, C°Ps P·P°C†C,PsCÍC†PIP°PSPSCÍ PŸP†P—P—PŸ C† PíPµCĤC-PsPr PIP°PiC-C, PSPsCÍC,C-, PsCÍPsP±P»PëPIP s PSP° PíC-P·PSC-C... C†CĤPsPeP°C... PIP°PiC-C, PSPsCÍC,C-, PjPsP¶Pµ PíC-PrPIPëC°C†PIP°C,Pë CĤPëP·PëPe CĤPsP·PIPëC,PeC† C†PëPSPPrCĤPsPjC† PíPµCĤC†PëCÍC,C†CĤC†PsC— P»PµPiPµPSPµPIP sC— PiC-PíPµCĤC,PµPSP·C-C— PSPsIPsPSP°CĤPsPrP¶PµPSPëC.... P PëP·PëPe PSP° C,P»C- PíCĤPëPNëPsPjC† PíCĤPµPíP°CĤP°C,C† C†PíPsCÍC,PµCĤC-PiP°C”C,CHCÍCÍ P· C†P°C†C,PsC,PsCĤ PíCĤPëP±P»PëP·PSPs 5 PIPëPíP°PrPeC-PI PSP° 1000 PIP°PiC-C, PSPsCÍC,PµPNë. PJ P·P°PiP°P»CHPSC-PNë PíPsPíC†P»CÍC†C-C— PIC-PrP·PSP°C†P°C”C,CHCÍCÍ 1-2 PIPëPíP°PrPePë C†PëPSPPrCĤPsPjC† PíPµCĤC†PëCÍC,C†CĤC†PsC— P»PµPiPµPSPµPIP sC— PiC-PíPµCĤC,PµPSP·C-C— PSPsIPsPSP°CĤPsPrP¶PµPSPëC... PSP° 1000 PIP°PiC-C, PSPsCÍC,PµPNë.

*P“PsPrCáPIP°PSPSCÍ PíCĤCáPrPrCĤ*

PĥPíC†P±P»C-PePsPIP°PSC- PrP°PSC- C°PsPrPs CĤC-PIPSC-PI C†PµCĤC,CĤP°P»C-PSC† C† PíCĤC†PrPSPsPjC† PjPsP»PsC†C- C†PIC-PrC†P°C,CH PíCĤPs C,Pµ, C°Ps C†PµCĤC,CĤP°P»C-PS C- PNëPsPiPs PjPµC,P°P±PsP»C-C, N-PrPµP·PjPµC,PëP»C†PµCĤC,CĤP°P»C-PS PµPeC†PeCĤPµC,C†CĤC,CHCÍCÍ C† PíCĤC†PrPSPµ PjPsP»PsPePs C† PjP°P»C-PNë PeC-P»CHPePsCÍC,C-. P—P°PiP°P»PsPj C† C†PëCĤPsPIP°C,C†C- PeCĤPsPIC- PSPµPjPsPIP»CÍC, PIPëCÍPIP»CÍP»Pë PSPµP·PSP°C†PSC- PePsPSC†PµPSC,CĤP°C†C-C— PíCĤPµPíP°CĤP°C,C† P°P±Ps PePsPSC†PµPSC,CĤP°C†C-C— PíCĤPµPíP°CĤP°C,C†, PSPµPrPsCÍC,C†PíPSC- PrP»CÍ PIPëP·PSP°C†PµPSPSCÍ, P·P° PIPëPSCÍC,PePsPj PsPrPSPsPiPs PIPëPíP°PrPeC†, PePsP»Pë PePsPSC†PµPSC,CĤP°C†C-CÍ PíCĤPµPíP°CĤP°C,C† C† C†PëCĤPsPIP°C,C†C- PeCĤPsPIC- PSPµPjPsPIP»CÍC,Pë C†C,P°PSPsPIPëP°P° PíCĤPëP±P»PëP·PSPs 50 % PIC-Pr PePsPSC†PµPSC,CĤP°C†C-C— PíCĤPµPíP°CĤP°C,C† C† C†PëCĤPsPIP°C,C†C- PeCĤPsPIC- PjP°C,PµCĤC- (P°P»Pµ P±PµP· P±C†PrCH-CÍPePsPiPs PíPsPjC-C, PSPsPiPs PIPíP»PëPIC† PSP° P·PrPsCĤPsPíBĤ™ CÍ C†CHPsPiPs PSPµPjPsPIP»CÍC,Pë). P†P° PrP°PSPëPNë C†P°C† PSPµ PíPsPIC-PrPsPjP»CÍP»PsCÍCÍ PíCĤPs PíPsP±C-C†PSC† PrC-CĤ PíCĤPµPíP°CĤP°C,C† PSP° P·PrPsCĤPsPíBĤ™ CÍ PrC-C,PµPNë, CÍPePëC... PiPsPrC†PIP°P»Pë PíCĤC†PrPrCĤ P¶C-PSPePë, CÍPeC- P·P°C†C,PsCÍPsPIC†PIP°P»Pë C†PµCĤC,CĤP°P»C-PS, P°P»Pµ C,P°PePëPNë CĤPëP·PëPe PSPµ PjPsP¶PSP° PIPëPeP»CĤC†P°C,Pë. P—P°C†C,PsCÍC†PIP°PSPSCÍ PíCĤPµPíP°CĤP°C,C† C† PíPµCĤC-PsPr PíPsPrC†PIP°PSPSCÍ PíCĤC†PrPrCĤ PSPµ CĤPµPePsPjPµPSPPrPsPIP°PSPs, P·P° PIPëPSCÍC,PePsPj PIPëPíP°PrPeC-PI, PePsP»Pë, PSP° PrC†PjPeC† P»C-PeP°CĤCÍ, PePsCĤPëCÍC,CH PIC-Pr PíCĤPëPNëPsPjC† PíCĤPµPíP°CĤP°C,C† PíPµCĤPµPIPëC°C†C” PjPsP¶P»PëPIPëPNë CĤPëP·PëPe.

*PαPµCĤC,PëP»CHPSC-C†C,CH*

PŸC,P°PSPsPj PSP° C†CHPsPiPsPrPSC- PSPµ P±C†P»Ps PIPëCÍPIP»PµPSPs PIPíP»PëPIC† PSP° C,,PµCĤC,PëP»CHPSC-C†C,CH P»CĤPrPëPSPë.

***P—PrP°C,PSC-C†C,CH PIPíP»PëPIP°C,Pë PSP° C€PIPëPrPeC-C†C,CH CĤPµP°PeC†C-C— PíCĤPë PePµCĤCáPIP°PSPSC- P°PIC,PsC,CĤP°PSC†PíPsCĤC,PsPj P°P±Ps C-PSC€PëPjPë PjPµC...P°PSC-P·PjP°PjPë.***

РљР»С-РSC-РePs-C,,Р°СҗРјР°РePsP»PsPiC-C±PSC- РrPsCГР»C-РrP¶PµPSPSCЦ  
CГРPIC-РrC±Р°C,Сҗ PiCҗPs PIC-РrCГCрC,PSC-CГC,Сҗ PIPiP»PëPICр CГРµCҗC,СҗР°Р»C-PSCр  
PSP° PiCГPëC...PsPjPsC,PsCҗPSC- C,,CрPSPeCГC-C—. PhPrPSP°Pe C...PIPсCҗPëPj CГР»C-Рr  
РrPsC,СҗРëPjCрPIP°C,PëCГCЦ PsP±PµCҗPµP¶PSPсCГC,C-, PsCГPeC-Р»СҗPePë Р°Р°CГC-Р±  
PjPsP¶Pµ PiPsCҗCрCëCрPIP°C,Pë PiCГPëC...C-C±PSC- Р°Р±Ps C,,C-Р·PëC±PSC-  
CҗPµP°PeCГC-C—, PSPµPsP±C...C-РrPSC- РrP»CЦ PIPëPePsPSP°PSPSCЦ  
PiPsC,РµPSCГC-РNëPSPs PSPµP±PµP·PiPµC±PSPëC... Р°Р°PIPrP°PSCҗ, C,Р°PePëC... CЦPe  
CрPiCҗР°PIP»C-PSPSCЦ Р°PIC,PsPjPsP±C-Р»PµPj Р°Р±Ps CҗPsP±PsC,Р° Р· C-PSCëPëPjPë  
PjPµC...P°PSC-Р·PjP°PjPë.

***РҮРiPsCГC-Р± Р°Р°CГC,PsCГCзPIP°PSPSCЦ C,Р° РrPsP·Pë.***

РҮРµCҗC,СҗР°Р»C-PS PiCҗPëPNëPjP°C,Pë 1 CҗР°Р· PSP° РrPsP±Cр (PICҗР°PSCГC- Р°Р±Ps  
PIPIPµC±PµCҗC-).

РҮР°Р±P»PµC,PePë CГРµCҗC,СҗР°Р»C-PSCр PjPsP¶PSP° PiCҗPëPNëPjP°C,Pë  
PSPµP·P°P»PµP¶PSPs PIC-Рr PIP¶PëPIP°PSPSCЦ C—P¶C-.

*РµPsC±P°C,PsPe P»C-PeCзPIP°PSPSCЦ*

*Р”РµPiCҗPµCГC-CЦ C,Р° РҗPµP*

Р>C-PeCрPIP°PSPSCЦ CГРµCҗC,СҗР°Р»C-PSPsPj CГР»C-Рr CҗPsP·PiPsC±PëPSP°C,Pë Р· РrPsP·Pë  
50 PjPi/РrPsP±Cр.

*РµР°PSC-C±PSC- CҗPsP·P»P°Ppë, РµPҮPҮP C,Р° CГPsCГC-Р°P»CҗPSPëPNë  
C,CҗPëPIPsP¶PSPëPNë CҗPsP·P»P°Pp*

Р>C-PeCрPIP°PSPSCЦ CГР»C-Рr CҗPsP·PiPsC±PëPSP°C,Pë Р· РrPsP·Pë 25 PjPi/РrPsP±Cр.  
P§PµCҗPµP· 1 C,PëP¶PrPµPSCҗ РrPsP·Cр CГР»C-Рr PiC-РrPIPëC%PëC,Pë РrPs 50 PjPi 1 CҗР°Р·  
PSP° РrPsP±Cр. P’CрP»Ps PiPsPeP°P·P°PSPs, C%Ps C,Р°PePëPNë CҗPµP¶PëPj  
РrPsP·CрPIP°PSPSCЦ P·PSPëP¶CрC” C±P°CГC,PsC,Cр CҗPsP·PIPëC,PeCр PSP°  
PiPsC±P°C,PePsPIPsPjCр PµC,Р°PiC- P»C-PeCрPIP°PSPSCЦ PiPsP±C-C±PSPëC... PµC,,PµPeC,C-PI,  
C...P°CҗР°PeC,РµCҗPSPëC... РrP»CЦ PiP°PSC-C±PSPëC... CҗPsP·P»P°PpC-PI.

*РҮPëC,CҗCзPIP°PSPSCЦ РrPsP·Pë*

*Р”РµPiCҗPµCГC-CЦ, РҗPµP , PiP°PSC-C±PSC- CҗPsP·P»P°Ppë, CГPsCГC-Р°P»CҗPSPëPNë  
C,CҗPëPIPsP¶PSPëPNë CҗPsP·P»P°Pp C,Р° РµPҮPҮP*

Pj PiP°CГC-C”PSC,C-PI, CЦPeC- PSPµ PIC-РrPiPsPIC-РrP°CҗC,Сҗ PSP° РrPsP·Cр 50 PjPi,  
PµC,,PµPeC, PjPsP¶Pµ P±CрC,Pë РrPsCГCЦPiPSCрC,PëPNë PiCҗPë PiC-РrPIPëC%PµPSPSC-  
РrPsP·Pë. РљPsCҗPµPeCГC-Cҗ РrPsP·Pë CГР»C-Рr CҗPsP·PiPsC±PëPSP°C,Pë PSPµ  
CҗР°PSC-CëPµ, PSC-P¶ C±PµCҗPµP· 1 C,PëP¶PrPµPSCҗ P»C-PeCрPIP°PSPSCЦ,  
P·P±C-Р»CҗCëCрCҗC±Pë C—C— PiPsCГC,CрPiPsPIPs PiPs 50 PjPi P· PiCҗPsPjC-P¶PeP°PjPë  
C,CҗPëPIP°P»C-CГC,Сҗ PiCҗPëPSP°PNëPjPSC- PI PsPrPëPS C,PëP¶PrPµPSCҗ.  
РҗР°PeCГPëPjP°P»CҗPSP° РrPsP·P° PSPµ PjP°C” PiPµCҗPµPIPëC%CрPIP°C,Pë  
200 PjPi/РrPsP±Cр. РљPsCҗPµPeCГC-Cҗ РrPsP·Pë CГР»C-Рr PiCҗPsPIPsPrPëC,Pë PSPµ  
C±P°CГC,C-CëPµ, PSC-P¶ 1 CҗР°Р· PSP° C,PëP¶PrPµPSCҗ, P·PIP°P¶P°CҗC±Pë PSP°  
PiPµCҗC-PsPr PSP°PiC-PIPIPëPIPµPrPµPSPSCЦ CГРµCҗC,СҗР°Р»C-PSCр, C%Ps  
CГC,Р°PSPsPIPëC,Сҗ 24 PiPsPrPëPSPë.



PhPrPSP°Pe, PiCTHPe PiC-PrPIPëC%oPµPSPSC- PrPsP·Pë PiPsPSP°Pr 50 PjPi Cr  
PiPµPrC-P°C,CTHC-C— CÍP»C-Pr PICHP°C...PsPICrPIP°C,Pë P·P°PiP°P»PsPj PSPëP¶C±Cr PjP°CÍCr  
C,C-P»P° PrC-C,PµPNë PiPsCTHC-PIPSC¶PSPs P· PrPsCTHPsCÍP»PëPjPë. PkPµ CÍP»C-Pr  
P·PjC-PSC¶PIP°C,Pë PrPsP·Cr C±P°CÍC,C-CëPµ, PSC-P¶ 1 CTHP°P· PSP° C,PëP¶PrPµPSC¶H.

P·C,,PµPeC,PëPIPSC-CÍC,CH PiCTHPµPiP°CTHP°C,Cr Cr PrC-C,PµPNë P· PIPµP»PëPePëPj  
PrPµPiCTHPµCÍPëPIPSPëPj CTHPsP·P»P°PrPsPj PiCTHPsPrPµPjPsPSCÍC,CTHPsPIP°PSP° PSPµ  
P±CÍP»P°.

P°P°PSC- C%oPsPrPs P·P°CÍC,PsCÍCrPIP°PSPSC¶ PiCTHPµPiP°CTHP°C,Cr PrC-C,C¶Pj PrPs 6  
CTHPsPeC-PI PIC-PrCÍCrC,PSC- (PrPëPI. B«PhCÍPsP±P»PëPIPsCÍC,C-  
P·P°CÍC,PsCÍCrPIP°PSPSC¶B»).

P—P°CÍC,PsCÍCzPIP°PSPSC¶ PiP°C±C-C°PSC,P°Pj P»C-C,PSC¶PsPiPs PIC-PeCz

PµP°C±C-C°PSC,P°Pj P»C-C,PSC¶PsPiPs PIC-PeCr PiCTHPµPiP°CTHP°C, CÍP»C-Pr  
P·P°CÍC,PsCÍPsPICrPIP°C,Pë P· PsP±PµCTHPµP¶PSC-CÍC,CH, PsCÍPeC-P»CHPePë C±C-  
PiP°C±C-C°PSC,Pë PjPsP¶CÍC,CH PjP°C,Pë PiC-PrPIPëC%oPµPSPëPNë CTHPëP·PëPe  
CTHPsP·PIPëC,PeCr PiC-PiPsPSP°C,CTHC-C°PjC-C— (PrPëPI. CTHPsP·PrC-P»  
B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCrPIP°PSPSC¶B»).

P—P°CÍC,PsCÍCzPIP°PSPSC¶ PiCTHPë PiPµC±C-PSPePsPIC-PNë PSPµPrPsCÍC,P°C,PSPsCÍC,C-

PŸP»C-Pr P±CÍC,Pë PsP±PµCTHPµP¶PSPëPjPë PiCTHPë P·P°CÍC,PsCÍCrPIP°PSPSC-  
CÍPµCTHC,CTHP°P»C-PSCr C...PIPsCTHPëPj P· PiP°C,PsP»PsPiC-C°CH PiPµC±C-PSPePë. PµCTHPë  
PiPsCTHCrCëPµPSPSC¶C... C,,CÍPSPeC±C-C— PiPµC±C-PSPePë PSPµPsP±C...C-PrPSPs  
P·PjPµPSCëPëC,Pë PrPsP·Cr P°P±Ps C±P°CÍC,PsC,Cr PiCTHPëPNëPsPjCr PiCTHPµPiP°CTHP°C,Cr.  
PŸPµCTHC,CTHP°P»C-PS PSPµ CÍP»C-Pr P·P°CÍC,PsCÍPsPICrPIP°C,Pë PiP°C±C-C°PSC,P°Pj C-P·  
C,C¶P¶PePsCH PiPµC±C-PSPePsPIPSC¶ PSPµPrPsCÍC,P°C,PSC-CÍC,CH, PsCÍPeC-P»CHPePë  
PeP»C-PSC-C±PSC- PrP°PSC- C%oPsPrPs P·P°CÍC,PsCÍCrPIP°PSPSC¶ PiCTHPµPiP°CTHP°C,Cr  
C,P°PePëPj C...PIPsCTHPëPj PIC-PrCÍCrC,PSC- (PrPëPI. CTHPsP·PrC-P»  
B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCrPIP°PSPSC¶B»).

P—P°CÍC,PsCÍCzPIP°PSPSC¶ PiCTHPë PSPëCTHPePsPIC-PNë PSPµPrPsCÍC,P°C,PSPsCÍC,C-

PµCTHPë PiPsCTHCrCëPµPSPSC¶C... C,,CÍPSPeC±C-C— PSPëCTHPsPe PePsCTHPëPiCÍPIP°PSPSC¶  
PrPsP·Pë PiCTHPµPiP°CTHP°C,Cr PSPµ PiPsC,CTHC-P±PSPµ (PrPëPI. CTHPsP·PrC-P»  
B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCrPIP°PSPSC¶B»).

PŸPëPjPiC,PsPjPë PIC-PrPjC-PSPë, C¶PeC- CÍPiPsCÍC,PµCTHC-PiP°CTHC,CHCÍC¶ PiCTHPë  
PiCTHPëPiPëPSPµPSPSC- C,PµCTHP°PiC-C— CÍPµCTHC,CTHP°P»C-PSPsPj

PŸP»C-Pr CrPSPëPeP°C,Pë CTHP°PiC,PsPIPsiPs PiCTHPëPiPëPSPµPSPSC¶  
P·P°CÍC,PsCÍCrPIP°PSPSC¶ PiCTHPµPiP°CTHP°C,Cr. PµCTHPë PiCTHPëPiPëPSPµPSPSC-  
P»C-PeCÍPIP°PSPSC¶ CÍPµCTHC,CTHP°P»C-PSPsPj, C%oPsP± P·PjPµPSCëPëC,Pë CTHPëP·PëPe  
CTHPsP·PIPëC,PeCr CTHPµP°PeC±C-PNë CÍPëPSPrCTHPsPjCr PIC-PrPjC-PSPë, PrPsP·Cr CÍP»C-Pr  
PiPsCÍC,CrPiPsPIPs P·PjPµPSCëCÍPIP°C,Pë C%oPsPSP°PNëPjPµPSCëPµ PiCTHPsC,C¶PiPsPj 1-2  
C,PëP¶PSC-PI (PrPëPI. CTHPsP·PrC-P» B«PhCÍPsP±P»PëPIPsCÍC,C-  
P·P°CÍC,PsCÍCrPIP°PSPSC¶B» C- B«PµPsP±C-C±PSC- CTHPµP°PeC±C-C—B»). PiPeC%oPs  
PiC-CÍP»C¶ P·PjPµPSCëPµPSPSC¶ PrPsP·Pë PiCTHPµPiP°CTHP°C,Cr P°P±Ps  
PiCTHPëPiPëPSPµPSPSC¶ PNëPsPiPs P·P°CÍC,PsCÍCrPIP°PSPSC¶ P·B¶™ C¶IP»C¶CTHC,CHCÍC¶  
PSPµCÍC,PµCTHPiPSC- CÍPëPjPiC,PsPjPë, PjPsP¶Pµ P±CÍC,Pë CTHPsP·PiP»C¶PSCrC,Pµ  
PIC-PrPSPsPIP»PµPSPSC¶ P·P°CÍC,PsCÍCrPIP°PSPSC¶ PiCTHPµPiP°CTHP°C,Cr Cr CTHP°PSC-CëPµ

PiCtjPëP·PSP°C±PµPSC-PNë PrPsP·C-. PJ PiPsPrP°P»CHC€PsPjCf P»C-PeP°Ctj PjPsP¶Pµ  
PiCtjPsPrPsPIP¶CfPIP°C,Pë P·PjPµPSC€CfPIP°C,Pë PrPsP·Cf, P°P»Pµ P±C-P»CHC€  
PiPsCfC,CfPiPsPIPs.

**P”C-C,Pë.**

PŸPµCtjC,CtjP°P»C-PS PSPµ CfP»C-Pr P·P°CfC,PsCfPsPICfPIP°C,Pë PrP»Cfj  
P»C-PeCfPIP°PSPSCfj PrC-C,PµPNë, PeCtjC-Pj PrC-C,PµPNë P· PsP±CfPµCfPëPIPS-  
PePsPjPiCfP»CHCfPëPIPSPëPjPë CtjPsP·P»P°PrP°PjPë PIC-Pr 6 CtjPsPeC-PI (PrPëPI.  
CtjPsP·PrC-P» B«PŸPiPsCfC-P± P·P°CfC,PsCfCfPIP°PSPSCfj C,P° PrPsP·PëB»).

**PµPµCtjPµPrPsP·CzPIP°PSPSCfj.**

*PŸPsPeCfPëC±PSC-CfC,CH*

PŸPµCtjC,CtjP°P»C-PS PjP°C” PrC-P°PiP°P·PsPS P±PµP·PiPµPePë, C%Ps P·P°P»PµP¶PëC,CH  
PIC-Pr PiPsPiCfP»CfjCfC-C— PiP°CfC-C”PSC,C-PI C,P°/P°P±Ps CfCfPiCfC,PSCfjPsPiPs  
P·P°CfC,PsCfCfPIP°PSPSCfj P»C-PeP°CtjCfCHPePëC... P·P°CfPsP±C-PI.  
PµPsPIC-PrPsPjP»CfjP»PsCfCfj PiCtjPs P»PµC,P°P»CHPSC- PIPëPiP°PrPePë  
PiPµCtjPµPrPsP·CfPIP°PSPSCfj CfPµCtjC,CtjP°P»C-PSPsPj CfjPe PiCtjPë PsPeCtjPµPjPsPjCf  
P·P°CfC,PsCfCfPIP°PSPSC- (P±PµP· CfCfPiCfC,PSC-C... PiCtjPµPiP°CtjP°C,C-PI), C,P°Pe C- Cf  
PePsPjP±C-PSP°CfC-C— P· C-PSC€PëPjPë P·P°CfPsP±P°PjPë C,P°/P°P±Ps P°P»PePsPiPsP»PµPj.  
PJ P·PiBtj™ CfjP·PeCf P· C†PëPj, PePsP¶PµPS PIPëPiP°PrPsPe PiPµCtjPµPrPsP·CfPIP°PSPSCfj  
PiPsC,CtjPµP±CfC” C-PSC,PµPSCfPëPIPSsC— C,PµCtjP°PiC-C—.

*PŸPëPjPiC,PsPjPë*

PŸPëPjPiC,PsPjPë PiPµCtjPµPrPsP·CfPIP°PSPSCfj PIPeP»CHC±P°CHC,CH PiPsP±C-C±PSC-  
PµC„PµPeC,Pë, PsPiPsCfPµCtjPµPrPePsPIP°PSC- CfPµCtjPsC,PsPSC-PSPsPj, C,P°PeC- CfjPe  
CfPsPSP»PëPIC-CfC,CH, C€P»CfPSPePsIPs-PePëC€PePsPIC- PiPsCtjCfC€PµPSPSCfj  
(PSP°PiCtjPëPeP»P°Pr PSCfPrPsC,P° C,P° P±P»CHPIP°PSPSCfj), C,P°C...C-PeP°CtjPrC-Cfj,  
C,CtjPµPjPsCtj, P·P±CfPrP¶PµPSPSCfj C- P·P°PiP°PjPsCtjPsC±PµPSPSCfj.  
PµPsPIC-PrPsPjP»CfjP»PsCfCfj PiCtjPs CtjPsP·PIPëC,PsPe PePsPjPë, PiCtjPsC,Pµ PjPµPSC€  
C±P°CfC,Ps.

PµC-CfP»Cfj PiPµCtjPµPrPsP·CfPIP°PSPSCfj CfPµCtjC,CtjP°P»C-PSPsPj  
PiPsPIC-PrPsPjP»CfjP»PsCfCfj PiCtjPs PiPsPrPsPIP¶PµPSPSCfj C-PSC,PµCtjPIP°P»Cf  
QTc/C€P»CfPSPsC±PePsPICf C,P°C...C-PeP°CtjPrC-Ctj C,PëPiCf B«PiC-CtjCfPµC,B», C,PsPjCf PI  
CfCfC-C... PIPëPiP°PrPeP°C... PiPµCtjPµPrPsP·CfPIP°PSPSCfj CfPµCtjC,CtjP°P»C-PSPsPj  
CtjPµPePsPjPµPSPPrCfC”C,CHCfCfj PiCtjPsIPsPrPëC,Pë P·P”P”-PjPsPSC-C,PsCtjPëPSPI.

*PŸPµCtjP°PiC-Cfj*

PŸPiPµC†PëC„C-C±PSPëC... P°PSC,PëPrPsC,C-PI CfPµCtjC,CtjP°P»C-PSCf PSPµ C-CfPSCfC”.  
P PµPePsPjPµPSPPrCfC”C,CHCfCfj P·P°P±PµP·PiPµC±PëC,Pë C-  
PiC-PrC,CtjPëPjCfPIP°C,Pë PiCtjPsC...C-PrPSC-CfC,CH PrPëC...P°P»CHPSPëC...  
C€P»CfjC...C-PI C,P° PrPsCfC,P°C,PSC-PNë CtjC-PIPµPSCfj PsPeCfPëPiPµPSP°C†C-C—  
C- PIPµPSC,PëP»CfjCfC-C—, CfjPeC%Ps C†Pµ PSPµPsP±C...C-PrPSPs. PµCtjPëPNëPsPj  
P°PeC,PëPIPsPIP°PSPsPiPs PICfPiC-P»P»Cfj, C%Ps PjPsP¶Pµ  
P·P°CfC,PsCfPsPICfPIP°C,PëCfCfj CtjP°P·PsPj C-P· PiCtjPsPSPsCfPSPëPj

P·P°CΓPsP±PsPj, PjPsP¶Pμ P±CfC, Pë PSPμ PjPμPSC€ PμC,, PμPeC, PëPIPSPëPj P·P°  
PïCηPsPjPëPIP°PSPSC¶ C€P»CfPSPeP°. P'PëPeP»PëPeP°PSPSC¶ P±P»CηPIP°PSPSC¶  
PSPμ CηPμPePsPjPμPSPrPsPIP°PSPμ. P PμPePsPjPμPSPrPsPIP°PSPëPμ  
PjPsPSC-C, PsCηPëPSPi CΓPμCηC†PμPIPsC— PrC-C¶P»CηPSPsCfC, C-  
(PSP°PïCηPëPeP»P°Pr P·PλP"), P° C, P°PePsP¶ PsCfPSPsPIPSPëC... P¶PëC, C, C"PIPëC...  
PïPsPeP°P·PSPëPeC-PI CηP°P·PsPj C-P· P·P°PiP°P»CηPSPsCη  
CΓPëPjPïC, PsPjP°C, PëC†PSPsCη C, P° PïC-PrC, CηPëPjCfCηC†PsCη C, PμCηP°PïC-C" Cη.  
P' CηP°C... PsPICfCηC†Pë P·PSP°C†PSPëPμ PsP±Bη™ C" Pj CηPsP·PïPsPrC-P»Cf  
CΓPμCηC, CηP°P»C-PSCf, C, P°PeC- P·P°C... PsPrPë C¶Pe C,, PsCηCfPsPIP°PSPëPμ  
PrC-CfCηPμP·, PrC-P°P»C-P·, PiPμPjPsPiPμCηC,, CfP·C-C¶ P°P±Ps P·P°PjC-PSPSP°  
PiPμPjPsC, CηP°PSCfC,, CfP·C-C¶ PSP°PICηC¶Pr C†Pë PjPsP¶CfC, Cη P±CfC, Pë  
PePsCηPëCfPSPëPjPë.

**PμPsP±C-C†PSC- CηPμP°PeC†C-C—.**

PkP°PμC†P°CfC, C-C€Pμ CΓPïPsCfC, PμCηC-PiP°C" C, CηCfC¶ C, P°PePëPμ PïPsP±C-C†PSPëPμ  
PμC,, PμPeC, C¶Pe PSCfPrPsC, P°. PμCηPë P»C-PeCfPIP°PSPSC- CΓPsC†C-P°P»CηPSPsPiPs  
C, CηPëPIPSP¶PSPsPiPs CηPsP·P»P°PrCf CΓPμCηC, CηP°P»C-PSPsPj CΓ 14 % C†PsP»PsPIC-PeC-PI  
PIC-PrP·PSP°C†P°P»P°CfC¶ CΓC, P°C, PμPIP° PrPëCfC,, CfPSPeC†C-C¶ (PïPsCηCfC€PμPSPSC¶  
PμC¶PeCfP»C¶C†C-C—) PïPsCηC-PIPSC¶PSPs P· 0 % PiP°C†C-C" PSC, C-PI, C¶PeC-  
PsC, CηPëPjCfPIP°P»Pë PiP»P°C†PμP±Ps. P|C- PïPsP±C-C†PSC- PμC,, PμPeC, Pë C"  
PrPsP·PsP·P°P»PμP¶PSPëPjPë C- PIPsPSPë C†P°CfC, Ps CΓP°PjPsCfC, C-PμPSPs  
P·PSPëPeP°CηC, Cη PïCηPë PïCηPsPrPsPIP¶PμPSPSC- C, PμCηP°PïC-C—.

PμCηPsC,, C-P»Cη PïPsP±C-C†PSPëC... PμC,, PμPeC, C-PI, C%Ps C†P°CfC, Ps  
CΓPïPsCfC, PμCηC-PiP°P»PëCfC¶ CΓ C... PsPrC- PïCηPsPIPμPrPμPSPSC¶ PïPsPrPIC-PμPSPëC...  
CΓP»C-PiPëC... PiP»P°C†PμP±Ps-PePsPSC, CηPsP»CηPsPIP°PSPëC... PrPsCΓP»C-PrP¶PμPSCη P·  
CfC†P°CfC, Cη PiP°C†C-C" PSC, C-PI P· PηPλP, PiP°PSC-C†PSPëPjPë CηPsP·P»P°PrP°PjPë,  
PμPÿPÿP C, P° CΓPsC†C-P°P»CηPSPëPjPë C, CηPëPIPSP¶PSPëPjPë CηPsP·P»P°PrP°PjPë, P±CfPI  
PïPsPrC-P±PSPëPj PrPs C, P°PePsPiPs CΓ PiP°C†C-C" PSC, C-PI P· PrPμPïCηPμCfC-C" Cη, C¶PeC-  
P±CηP°P»Pë CΓC†P°CfC, Cη CΓ PeP»C-PSC-C†PSPëC... PrPsCΓP»C-PrP¶PμPSPSC¶C....

PkPëP¶C†Pμ PSP°PIPμPrPμPSPs PrP°PSC- PïCηPs PïPsP±C-C†PSC- CηPμP°PeC†C-C—, C%Ps  
CΓPïPsCfC, PμCηC-PiP°P»PëCfC¶ CΓ PïPμCηC-PsPr PïPsCfC, CηPμC" CΓC, CηP°C†C-PμPSPsPiPs  
PSP°PiP»C¶PrCf (C†P°CfC, PsC, P° C—C... CηPsP·PIPëC, PeCf PSPμPIC-PrPsPjP°) C- PI C... PsPrC-  
PïCηPsPIPμPrPμPSPSC¶ PiP»P°C†PμP±Ps-PePsPSC, CηPsP»CηPsPIP°PSPëC...  
PeP»C-PSC-C†PSPëC... PrPsCΓP»C-PrP¶PμPSCη (CΓ C¶PePëC... CΓ C†C-P»PsPjCf PIP·C¶P»Pë  
CfC†P°CfC, Cη 2542 PiP°C†C-C" PSC, Pë, C¶PeC- PsC, CηPëPjCfPIP°P»Pë CΓPμCηC, CηP°P»C-PS,  
C- 2145 PiP°C†C-C" PSC, C-PI, C¶PeC- PsC, CηPëPjCfPIP°P»Pë PiP»P°C†PμP±Ps) P· CΓC†P°CfC, Cη  
C... PIPsCηPëC... P· PrPμPïCηPμCfC-C" Cη, PηPλP, PiP°PSC-C†PSPëPjPë CηPsP·P»P°PrP°PjPë,  
PμPÿPÿP C, P° CΓPsC†C-P°P»CηPSPëPjPë C, CηPëPIPSP¶PSPëPjPë CηPsP·P»P°PrP°PjPë.

P" PμC¶PeC- P· PSPëP¶C†Pμ PSP°PIPμPrPμPSPëC... PïPsP±C-C†PSPëC... CηPμP°PeC†C-Pμ  
PjPsP¶CfC, Cη P·PjPμPSC€CfPIP°C, PëCfC¶ P·P° C-PSC, PμPSCfPëPIPSC-CfC, Cη C, P°  
C†P°CfC, PsC, PsCη P·P° CΓPjPsPIPë C, CηPëPIP°P»PsPiPs P»C-PeCfPIP°PSPSC¶ C, P° PSPμ  
PïCηPëP·PIPPrC¶C, Cη PrPs PïCηPëPiPëPSPμPSPSC¶ C, PμCηP°PïC-C—.

PkPëP¶C†Pμ PSP°PIPμPrPμPSP° C†P°CfC, PsC, P° CηPsP·PIPëC, PeCf PïPsP±C-C†PSPëC...  
CηPμP°PeC†C-Pμ, C%Ps CΓPïPsCfC, PμCηC-PiP°P»PëCfC¶ CΓ C... PsPrC-

PiC7PsPIPµPrPµPSPSCΠ PiP»P°C†PµP±Ps-PePsPSC,C7PsP»CHPsPIP°PSPëC...  
PeP»C-PSC-C†PSPëC... PrPsC†P»C-PrP¶PµPSC7 Cr PiP°C†C-C" PSC,C-PI P·  
PrPµPiC7PµC†C-C" C7, PhP7P , PiP°PSC-C†PSPëPjPë C7PsP·P»P°PrP°PjPë, PµPÿPÿP C,P°  
C†PsC†C-P°P»CHPsPëPjPë C,C7PëPIPsP¶PSPëPjPë C7PsP·P»P°PrP°PjPë. PkP°PIPµPrPµPSPs  
PsP±B7™ C"PrPSP°PSC- PrP°PSC- PeP»C-PSC-C†PSPëC... PrPsC†P»C-PrP¶PµPSC7 C-  
PiC-C†P»C†C7PµC" C†C,C7P°C†C-PNëPSPsPiPs PSP°PiP»C†P†C† (C†P°C†C,PSc,P°  
PSPµPIC-PrPsPjP°).

P7P°C†C,PSc,P° PiPsP±C-C†PSPëC... C7PµP°PeC†C-PNë PIC-PrPsP±C7P°P¶PµPSP° C†Pe:  
PrC†P¶Pµ C†P°C†C,P (≥ 1/10); C†P°C†C,P (PIC-Pr ≥ 1/100 PrPs < 1/10); PSPµC†P°C†C,P (PIC-Pr ≥ 1/1000 PrPs < 1/100); C7C-PrPePs (PIC-Pr ≥ 1/10 000 PrPs < 1/1000); PrC†P¶Pµ  
C7C-PrPePs (< 1/10 000); PSPµPIC-PrPsPjPs (C†P°C†C,PSc,C† PSPµ PjPsP¶PSP°  
PIC†C,P°PSPsPIPëC,Pë P·P° PSP°C†PIPSPëPjPë PrP°PSPëPjPë).

P†PSC,,PµPeC†C-C— C,P° C-PSPIP°P·C-C—. P7P°C†C,PSc: C,,P°C7PëPSPiC-C,,; PSPµC†P°C†C,PSc:  
C-PSC,,PµPeC†C-C— PIPµC7C...PSC-C... PrPëC...P°P»CHPsPëC... CëP»C†C...C-PI, C7PëPSC-C,,;  
C7C-PrPePs: PrPëPIPµC7C,PëPeC†P»C-C,, PiP°C†C,C7PsPµPSC,PµC7PëC,, C†PµC7PµPrPSC-PNë  
PsC,PëC,.

PµC¿C...P»PëPSPë PrPsP±C7PsC†PeC-C†PSC- C,P° P·P»PsC†PeC-C†PSC- (C¿ C,PSPjC¿  
C†PëC†P»C- PeC-C†C,Pë C,P° PiPsP»C-PiPë). P C-PrPePs: PSPsPIPsC†C,PIPsC7PµPSPSCΠ  
(PiPsPIC-PrPsPjP»C†P»PsC†C† PiC7Ps PsPrPëPS PIPëPiP°PrPsPe PSPsPIPsC†C,PIPsC7PµPSPSCΠ  
PI PsPrPSPsPiPs PiP°C†C-C" PSC,P°, C†PePëPNë PsC,C7PëPjC†PIP°PI C†PµC7C,C7P°P»C-PS,  
PiPsC7C-PIPSC†PSPs P· PIC-PrC†C†C,PSC-C†C,C7 C,P°PePëC... PIPëPiP°PrPeC-PI C†  
PiC7C†PiC- PiP°C†C-C" PSC,C-PI, C†PeC- PsC,C7PëPjC†PIP°P»Pë PiP»P°C†PµP±Ps).

P— P±PsPeC¿ C†PëC†C,PµPjPë PeC7PsPIC- C,P° P»C-PjC,,P°C,PëC†PSPsC— C†PëC†C,PµPjPë.  
P C-PrPePs: P»C-PjC,,P°PrPµPSPsPiP°C,C-C†; PSPµPIC-PrPsPjPs:  
P»PµPNëPePsPiPµPSC-C†, C,C7PsPjP±PsC†PëC,PSPiPµPSC-C†.

P— P±PsPeC¿ C-PjC¿PSPSPsC— C†PëC†C,PµPjPë. PkPµC†P°C†C,PSc: PiC-PrPIPëC%PµPSP°  
C†C†C,P»PëPIC-C†C,CH; C7C-PrPePs: P°PSP°C,,C-P»P°PeC,PSc—PrPSP° C7PµP°PeC†C-C†;  
PSPµPIC-PrPsPjPs: P°P»PµC7PiC-C†.

P— P±PsPeC¿ PµPSPPrPsPeC7PëPSPSPsC— C†PëC†C,PµPjPë. PkPµC†P°C†C,PSc:  
PiC-PiPsC,PëC7PµPsP·; PSPµPIC-PrPsPjPs: PiC-PiPµC7PiC7PsP»P°PeC,PëPSPµPjC-C†,  
C†PëPSPPrC7PsPj PSPµP°PrPµPePIP°C,PSPsC— C†PµPeC7PµC†C-C—  
P°PSC,PëPrC-C†C7PµC,PëC†PSPsPiPs PiPsC7PjPsPSC†.

P7PµC,P°P±PsP»C-C†PSC- C,P° P°P»C-PjPµPSC,P°C7PSC- C7PsP·P»P°PrPë. P7P°C†C,PSc:  
P·PSPëP¶PµPSPSCΠ P°PiPµC,PëC,C†, PiPsC†PëP»PµPSPSCΠ P°PiPµC,PëC,C†\*;  
C7C-PrPePs: C†C†PeC7PsPIPëPNë PrC-P°P±PµC,,  
PiC-PiPµC7C...PsP»PµC†C,PµC7PëPSPµPjC-C†, PiC-PiPsPiP»C-PePµPjC-C†;  
PSPµPIC-PrPsPjPs: PiC-PiPsPSP°C,C7C-C" PjC-C†, PiC-PiPµC7PiP»C-PePµPjC-C†.

PµC†PëC...C-C†PSC- PiPsC7C¿CëPµPSPSCΠ. P" C†P¶Pµ C†P°C†C,PSc: P±PµP·C†PsPSPSCΠ (19 %);  
C†P°C†C,PSc: PrPµPiC7PµC†C-C†\*, PrPµPiPµC7C†PsPSP°P»C-P·P°C†C-C†, PSC-C†PSC-  
P¶P°C...Pë, PIC-PrC†C†C,C,C† C,C7PëPIPsP¶PSPsC†C,C-\*, P·P±C†PrP¶PµPSPSCΠ\*,  
PSPµC7PIPsP·PSC-C†C,CH, P·PSPëP¶PµPSPSCΠ P»C-P±C-PrPs\*, P±C7C†PeC†PëP·Pj;  
PSPµC†P°C†C,PSc: PiP°P»C7C†PëPSP°C†C-C—\*, P°PiC7PµC†C-C†\*, PµPNëC,,PsC7PëC†PSPëPNë  
PSP°C†C,C7C-PNë\*, P°PiP°C,C-C†, PiP°C,PSP»PsPiC-C†PSPµ PjPëC†P»PµPSPSCΠ; C7C-PrPePs:  
PePsPSPiPµC7C†C-PNëPSPëPNë C7PsP·P»P°Pr, P·P°P»PµP¶PSC-C†C,CH PIC-Pr P»C-PeC-PI,

РiСiГРёС...PsC,РёС±PSPёPNё СҢPsP·P»P°Pr\*, PиP°СҢP°PSPsPNёCи, СiГсrС—C†PёPrP°P»СҢPSPµ  
PjPёСiГР»PµPSPSCи/СiГсrС—C†PёPrP°P»СҢPSP° PиPsPiPµPrC-PSPeP° (P»PёCёPµ PrP»Cи  
PиP°C†C-C”PSC,C-PI P· PҢPґP , PиСҢPё PePsСҢPsC,PePsC±P°СiГPSPsPjC  
P·P°СiГC,PsСiГсrPiP°PSPSC- PиСҢPµPиP°СҢP°C,Cr, Cr PrPsСiГP»C-PrP¶PµPSPSCиC...  
C,СҢPёPiP°P»C-СiГC,СҢ 1-12 C,PёP¶PSC-PI: P±CfP»Pё P·P°СҢPµC”СiГC,СҢPsPiP°PSC-  
PiPёPiP°PrPePё PSP°CиPiPSPsСiГC,C- СiГсrС—C†PёPrP°P»СҢPSPёС... PrCfPjPsPe C-  
СiГсrС—C†PёPrP°P»СҢPSPsC— PиPsPiPµPrC-PSPePё PiC-Pr C±P°СiГ C,PµСҢP°PiC-C—  
СiГPµСҢC,СҢP°P»C-PSPsPj P°P±Ps PSPµPiPPrPsPiP·C- PiC-СiГP»Cи PиСҢPёPiPёPSPµPSPSCи  
C,PµСҢP°PiC-C— (PrPёPI. СҢPsP·PrC-P» B«PҢСiГPsP±P»PёPiPsСiГC,C-  
P·P°СiГC,PsСiГсrPiP°PSPSCиB»)), СiГPsPjPSP°PjP±CfP»C-P·Pj, PiPµСҢPµPrC±P°СiГPSP°  
PµCиPeCfP»CиC†C-Cи; PSPµPiC-PrPsPjPs: PиP°СҢPsPSC-СҢC-Cи.

*P— P±PsPeCá PSPµСҢPiPsPiPsC— СiГPёСiГC,PµPjPё. P”CfP¶Pµ C±P°СiГC,Ps:  
P·P°PiP°PjPsСҢPsC±PµPSPSCи (11 %), СiГPsPSP»PёPiC-СiГC,СҢ (13 %), PiPsP»PsPiPSPёPNё  
P±C-P»СҢ (21 %)\*; C±P°СiГC,Ps: PиP°СҢPµCиC, PµP·C-C—\*, C,СҢPµPjPsСҢ,  
PiC-PиPµСҢC,PsPSCfCf, PrPёСiГPiPµPiP·C-Cи, PiPsСҢCfCёPµPSPSCи CrPiP°PiPё;  
PSPµC±P°СiГC,Ps: СiГсrPrPsPjPё\*, PjPёPjPsPiC-P»СҢPSC- PjBҢ™ CиP·PsPiC-  
СiГPePsСҢPsC±PµPSPSCи\*, PиPsСҢCfCёPµPSPSCи PePsPsСҢPrPёPSP°C†C-C— СҢCfC...C-PI,  
PiC-PиPµСҢPeC-PSPµP·C-Cи, P°PjPSPµP·C-Cи, PiC-PиPµCиC, PµP·C-Cи\*, PиPsСҢCfCёPµPSPSCи  
PjPsPiP»PµPSPSCи, PiPsСiГC,CrСҢP°P»СҢPSPµ P·P°PiP°PjPsСҢPsC±PµPSPSCи,  
СiГPёPSPePsPiPµ, PjC-PiСҢPµPSCҢ\*; СҢC-PrPePs: PePsPjP°\*, C...PsСҢPµPsP°C,PµC,PsP·,  
PrPёСiГPeC-PSPµP·C-Cи, PiC-PиPµСҢPµCиC, PµP·C-Cи, СiГPµPSCiГPsСҢPSC-  
PиPsСҢCfCёPµPSPSCи; PSPµPiC-PrPsPjPs: СҢCfC...PsPiC- СҢPsP·P»P°PrPё  
(PiPeP»СҢC±P°СҢC±Pё PµPeCfC,СҢP°PiC-СҢP°PjC-PrPSC- СiГPёPjPiC,PsPjPё, C,P°PeC- CиPe  
PiC-PиPµСҢPeC-PSPµP·C-Cи, PiC-PиPµСҢC,PsPSCfCf, PrPёСiГC,PsPSC-Cи, СiГPiP°P·PjPё  
C%PµP»PµPiPё P°P±Ps PиPsСҢCfCёPµPSPSCи C...PsPrPё). PґP°PePsP¶ P±CfP»Pё  
P·P°СҢPµC”СiГC,СҢPsPiP°PSC- PsP·PSP°PePё C- СiГPёPjPiC,PsPjPё  
СiГPµСҢPsC,PsPSC-PSPsPiPsPiPs СiГPёPSPrСҢPsPjCf C±Pё P·P»PsCиPeC-СiГPSPsPiPs  
PSPµPNёСҢPsP»PµPiC,PёC±PSPsPiPs СiГPёPSPrСҢPsPjCf, Cr PrPµCиPePёС... PiPёPiP°PrPeP°C...  
PиPsPiBҢ™ CиP·P°PSPёС... C-P· СiГсrPiCfC,PSC-Pj PiСҢPёPNёPsPjPsPj  
СiГPµСҢPsC,PsPSC-PSPµСҢPiC-C±PSPёС... P·P°СiГPsP±C-PI, Cr C,PsPjCf C±PёСiГP»C-  
P·P±CfPrP¶PµPSPSCи, СiГPiP»CfC,P°PSC-СiГC,СҢ СiГPiC-PrPsPjPsСiГC,C-, PиPsСiГPё»PµPSPµ  
PиPsC,PsPiPёPrC-P»PµPSPSCи, PrC-P°СҢPµCи, PiC-PrPiPёC%PµPSPSCи  
C,PµPjPiPµСҢP°C,CrСҢPё C,C-P»P°, P°СҢC,PµСҢC-P°P»СҢPSP° PiC-PиPµСҢC,PµPSP·C-Cи,  
СҢPёPiC-PrPSC-СiГC,СҢ C,P° C,P°C...C-PeP°СҢPrC-Cи. PҢPeP°C,PёP·C-Cи C-  
PiCfPёС...PsPjPsC,PsСҢPSPµ P·P±CfPrP¶PµPSPSCи (PrPёPI. СҢPsP·PrC-P»  
B«PҢСiГPsP±P»PёPiPsСiГC,C- P·P°СiГC,PsСiГсrPiP°PSPSCиB»). PґPiP°P·Pj  
C†PµСҢPµP±СҢP°P»СҢPSPёС... СiГсrPrPёPS (Cr C,PsPjCf C±PёСiГP»C- СiГPёPSPrСҢPsPj  
СiГPePsСҢPsPjPёPSCfC%PsC— C†PµСҢPµP±СҢP°P»СҢPSPsC—  
PiP°P·PsPePsPSCiГC,СҢPёPeC†C-C— C,P° СiГPёPSPrСҢPsPj PґPsP»P»P°BҢ“PαP»PµPjC-PSPiP°).*

*PµPsСҢCáCёPµPSPSCи P· P±PsPeCá PsСҢPiP°PSC-PI P·PsСҢCá. P§P°СiГC,Ps:  
PиPsСҢCfCёPµPSPSCи P·PsСҢCf; PSPµC±P°СiГC,Ps: PjC-PrСҢC-P°P·\*; СҢC-PrPePs:  
PiP»P°CfPePsPjP°, СҢPsP·P»P°PrPё СiГP»СҢPsP·PsPiPёPrC-P»PµPSPSCи, СiГPePsC,PsPjP°,  
PrPёPiP»PsPiC-Cи, C,,PsC,PsC,,PsP±C-Cи, PiC-C,,PµPjP°; PSPµPiC-PrPsPjPs: СҢPsP·P»P°PrPё  
P·PsСҢCf, P·C-PSPёC†C- СҢC-P·PSPsPiPs СҢPsP·PjC-СҢCf, PjP°PeCfP»PsPiP°C,C-C—.*

*PµPsСҢCáCёPµPSPSCи P· P±PsPeCá PsСҢPiP°PSC-PI СiГP»CáC...Cá C,P° СҢC-PIPSPsPiP°PiPё.  
P§P°СiГC,Ps: PrP·PiC-PS Cr PiCfC...P°C...\*; PSPµC±P°СiГC,Ps: P±C-P»СҢ Cr PiCfCfC-.*

*PµPsСҢCáCёPµPSPSCи P· P±PsPeCá СiГPµСҢC†Cи. P§P°СiГC,Ps: PiC-PrC±CfC,C,Cи  
СiГPµСҢC†PµP±PёC,C,Cи\*; PSPµC±P°СiГC,Ps: C,P°C...C-PeP°СҢPrC-Cи; СҢC-PrPePs:*



PjC-P°P»PiC-CI; PSPμC±P°CÍC,Ps: PsCÍC,PμPsP°CĤC,CĤPëC,, PjBĤ™ CIIP·PsPIP°  
CÍP»P°P±PeC-CÍC,CH, P±C-P»CH CÍ CÍPíPëPSC-, PiPsCÍPjPëPeCíPIP°PSPSCII  
PjBĤ™ CIIP·C-PI; CĤC-PrPePs: CÍCĤP°P¶PμPSPSCII PeC-CÍC,PsPe; PSPμPIC-PrPsPjPs:  
PjBĤ™ CIIP·PsPIC- CÍPíP°P·PjPë, PiPsCĤCíC€PμPSPSCII, PiPsPrC-P±PSPμ PrPs  
PrPμC,,C-C†PëC,CÍ PjPSPsP¶PëPSPSPëC... P°C†PëP»-PĤPsPĤ PrPμPiC-PrCĤPsPiPμPSP°P.  
(PĤPĤP''P'')\*.

PμPsCĤCáC€PμPSPSCII P· P±PsPeCá PSPëCĤPsPe C,P° CÍPμC±PsPIPëPrC-P»CHPSPsC—  
CÍPëCÍC,PμPjPë. PkPμC±P°CÍC,Ps: PSC-PeC,CÍCĤC-CI, P·P°C,CĤPëPjPeP° CÍPμC±C-\*,  
PiPsP»C-CÍCĤC-CI, PiPsP»P°PeC-CÍCĤC-CI, PiPsCĤCíC€PμPSPSCII  
CÍPμC±PsPIPëPíCíCÍP°PSPSCII, PSPμC,CĤPëPjP°PSPSCII CÍPμC±C-\*, CĤC-PrPePs:  
PsP»C-PiCíCĤC-CI, CÍC,CĤCíCPrPSPμPSPëPñ PiPsC±P°C,PsPe CÍPμC±PsPIPëPíCíCÍP°PSPSCII.

PμPsCĤCáC€PμPSPSCII P· P±PsPeCá CĤPμPíCĤPsPrCáPeC,PëPIPSPsC— CÍPëCÍC,PμPjPë C,P°  
PjPsP»PSC±PSPëC... P·P°P»PsP.\*\*. P''CÍP¶Pμ C±P°CÍC,Ps: PiPsCĤCíC€PμPSPSCII  
PμCIIPeCíP»CIIC†C-C— (14 %); C±P°CÍC,Ps: PμCĤPμPeC,PëP»CHPSP°  
PrPëCÍC,,CÍPSPeC†C-CI; PSPμC±P°CÍC,Ps: PIP°PiC-PSP°P»CHPSP°  
PeCĤPsPIPsC,PμC±P°, CÍC,P°C,PμPIP° PrPëCÍC,,CÍPSPeC†C-CI, CÍC,P°C,PμPIP°  
PrPëCÍC,,CÍPSPeC†C-CI CÍ P¶C-PSPsPe, PSPμCĤPμPiCíP»CIICĤPSPëPñ  
PjPμPSCÍC,CĤCíP°P»CHPSPëPñ C†PëPeP»; CĤC-PrPePs: PjPμPSPsCĤP°PiC-CI,  
P°C,CĤPsC,,C-C±PSPëPñ PICíP»CHPIPSPiP°PiC-PSC-C,, P±P°P»P°PSPsPiPsCÍC,PëC,,  
PIPëPrC-P»PμPSPSCII P·C- CÍC,P°C,PμPIPëC... PsCĤPiP°PSC-PI, PiCĤC-P°PiC-P·Pj\*,  
PiP°P»P°PeC,PsCĤPμCI\*); PSPμPIC-PrPsPjPs: PiC-PSPμPePsPjP°CÍC,C-CI,  
PiC-CÍP»CIIPiPsP»PsPiPsPIC- PeCĤPsPIPsC,PμC±C-\*\*\*.

P—P°PiP°P»CHPSC- PiPsCĤCáC€PμPSPSCII C,P° CĤPμP°PeC†C-C— Cá PjC-CÍC†C-  
PIPIPμPrPμPSPSCII. P''CÍP¶Pμ C±P°CÍC,Ps: PiC-PrPIPëC%oPμPSP°  
PIC,PsPjP»CĤPIP°PSC-CÍC,CH (10 %)\*; C±P°CÍC,Ps: P±C-P»CH CÍ PiCĤCíCPrPSC-Pñ  
PeP»C-C,C†C-\*, P·P°PiP°P»CHPSPμ PSPμP·PrCíP¶P°PSPSCII\*); PSPμC±P°CÍC,Ps:  
PiPμCĤPëC,,PμCĤPëC±PSPëPñ PSP°P±CĤCIIPe, PsP·PSPsP±, PiC-CĤPμPeCÍC-CI\*,  
P°CÍC,PμPSC-CI\*, CÍPiCĤP°PiP°; CĤC-PrPePs: PiCĤPëP¶P°, P·PSPëP¶PμPSPSCII  
PiPμCĤPμPSPsCÍPëPjPsCÍC,C- PiCĤPμPiP°CĤP°C,CÍ, PiPsCĤCíC€PμPSPSCII C...PsPrPë.

P''PsCÍP»C-PrP¶PμPSPSCII. PkPμC±P°CÍC,Ps: PiC-PrPIPëC%oPμPSPSCII CĤC-PIPSCI  
P°P»P°PSC-PSP°PjC-PSPsC,CĤP°CÍC,,PμCĤP°P·Pë\*, PiC-PrPIPëC%oPμPSPSCII CĤC-PIPSCI  
P°CÍPíP°CĤC,P°C,P°PjC-PSPsC,CĤP°PSCÍC,,PμCĤP°P·Pë\*, P·PSPëP¶PμPSPSCII PjP°CÍPë  
C,C-P»P\*, P·P±C-P»CHC€PμPSPSCII PjP°CÍPë C,C-P»P\*; CĤC-PrPePs: PiPsCĤCíC€PμPSPSCII  
CIIPePsCÍC,C- CÍPiPμCĤPjPë; PiC-PrPIPëC%oPμPSPSCII CĤC-PIPSCI  
C...PsP»PμCÍC,PμCĤPëPSCí PI PeCĤPsPIC-; PSPμPIC-PrPsPjPs: PIC-PrC...PëP»PμPSPSCII PIC-Pr  
PSPsCĤPjPë CĤPμP·CíP»CHC,P°C,C-PI PeP»C-PSC-C±PSPëC... P»P°P±PsCĤP°C,PsCĤPSPëC...  
P°PSP°P»C-P·C-PI, P·PjC-PSP° C,,CÍPSPeC†C-C— C,CĤPsPjP±PsC†PëC,C-PI.

PÿCĤP°PIPjPë C,P° PsC,CĤCáC''PSPSCII. P C-PrPePs: C,CĤP°PIPjP°.

PÍC-CĤCáCĤPiC-C±PSC- PIC,CĤCáC±P°PSPSCII C,P° PjPμPrPëC±PSC- PiCĤPsC†PμPrCáCĤPë.  
P C-PrPePs: PIP°P·PsPrPëP»P°C,P°C†C-CI.

PiPeC%oPs PiPsP±C-C±PSPμ CIIPiPëC%oPμ CÍPiPsCÍC,PμCĤC-PiP°P»PsCÍCI CÍ  
PiP°C†C-C''PSC,C-PI P· PrPμPiCĤPμCÍC-C''CĤ, PĤPĤP, PiP°PSC-C±PSPëPj CĤPsP·P»P°PrPsPj,  
PμPÿPÿP C- CÍPsC†C-P°P»CHPSPëPj C,CĤPëPIPSP¶PSPëPj CĤPsP·P»P°PrPsPj,

P·P°CÍC,PsCÍPsPICfPIP°PSC- C,PμCḡPjC-PSPë, C%Ps C...P°CḡP°PeC,PμCḡPëP·CfCḡC,CH  
PİPsP±C-C±PSC- CıPIPëC%P°, PİPμCḡPμPeP»P°CÍPëC,,C-PePsPIP°PSC- P·P°  
C,PμCḡPjC-PSP°PjPë, C%Ps P·P°CÍC,PsCÍPsPICfPIP°P»PëCÍCı CÍC,PsCÍPsPIPSPs  
PİP°C†C-C”PSC,C-PI P· PrPμPİCḡPμCÍC-C”Cḡ.

\*B B B B B B B B PİPsP±C-C±PSC- CḡPμP°PeC†C-C—,C%Ps PIPëCıPIP»PμPSP° CÍ  
PİC-CÍP»CıCḡPμC”CÍC,CḡP°C†C-PNëPSPëPNë PİPμCḡC-PsPr.

\*\*B B B B B B B C±P°CÍC,PsC,P° C†PëC... PİPsP±C-C±PSPëC... CḡPμP°PeC†C-PNë  
PIPëP·PSP°C±P°P»P°CÍCı PrP»Cı PeC-P»CHPePsCÍC,C- PİP°C†C-C”PSC,C-PI CÍ  
PePsPSPeCḡPμC,PSC-PNë PİCḡCÍPİC- P·P° CÍC,P°C,C,Cḡ: CÍPμCḡC,CḡP°P»C-PS (1118  
C±PsP»PsPIC-PeC-PI, 1424 P¶C-PSPePë), PİP»P°C†PμP±Ps (926 C±PsP»PsPIC-PeC-PI, 1219  
P¶C-PSPsPe).

\*\*\*C†PμPNë PİCḡPsCıPI P·P°CḡPμC”CÍC,CḡPsPIP°PSPëPNë PrP»Cı  
C,PμCḡP°PİPμPIC,PëC±PSPsPİPs PeP»P°CÍCÍ SSRI/SNRI (PrPëPI. CḡPsP·PrC-P»Pë  
B«PsCÍPsP±P»PëPIPSCÍC,C- P·P°CÍC,PsCÍCfPIP°PSPSCıB», B«P·P°CÍC,PsCÍCfPIP°PSPSCı CÍ  
PİPμCḡC-PsPr PIP°PİC-C,PSPsCÍC,C- C,P° PİPsPrCfPIP°PSPSCı PİCḡCÍPrPrCḡB»).

*PÿPëPSPPrCḡPsPjPë PIC-PrPjC-PSPë, C%Ps CÍPİPsCÍC,PμCḡC-PİP°CḡC,CHCÍCı PİCḡPë  
PİCḡPëPİPëPSPμPSPSC- C,PμCḡP°PİC-C— CÍPμCḡC,CḡP°P»C-PSPsPj*

PμCḡPëPİPëPSPμPSPSCı C,PμCḡP°PİC-C— CÍPμCḡC,CḡP°P»C-PSPsPj  
(PsCÍPsP±P»PëPIPs CÍ PIPëPİP°PrPeCÍ CḡC-P·PePsPİPs PİCḡPëPİPëPSPμPSPSCı  
C,PμCḡP°PİC-C—) P·P°P·PIPëC±P°PNë PİCḡPëP·PIPPrPëC,CH PrPs CḡPsP·PIPëC,PeCÍ  
CÍPëPjPİC,PsPjC-PI PIC-PrPjC-PSPë. PkP°PNëC±P°CÍC,C-CεPμ  
PİPsPIC-PrPsPjP»CıP»PsCÍCı PİCḡPs C,P°PeC- PİPsP±C-C±PSC- CıPIPëC%P° CıPe  
P·P°PİP°PjPsCḡPsC±PμPSPSCı, CÍPμPSCÍPsCḡPSC- PİPsCḡCÍCεPμPSPSCı  
(PIPeP»CḡC±P°CḡC±Pë PİP°CḡPμCÍC,PμP·C-Cḡ), PİPsCḡCÍCεPμPSPSCı CÍPSCÍ  
(PIPeP»CḡC±P°CḡC±Pë P±PμP·CÍPsPSPSCı C- CıCÍPeCḡP°PIC-  
CÍPSPsPIPëPrC-PSPSCı), P·P±CÍPrP¶PμPSPSCı P°P±Ps PIC-PrC±CÍC,C,Cı  
C,CḡPëPIPİPİPë, PSCÍPrPsC,P° C,P°/P°P±Ps P±P»CḡPIP°PSPSCı, C,CḡPμPjPsCḡ C-  
PİPsP»PsPIPSPëPNë P±C-P»CH. PİPe PİCḡP°PIPëP»Ps, C†C- PİPsP±C-C±PSC-  
CıPIPëC%P° P±CÍP»Pë P»PμPİPePsPİPs P°P±Ps PİPsPjC-CḡPSPsPİPs CÍC,CÍPİPμPSCı  
C,P° PjPëPSP°P»Pë CÍP°PjPsCÍC,C-PNëPSPs; PsPrPSP°Pe CÍ PrPμCıPePëC...  
PİP°C†C-C”PSC,C-PI PIPsPSPë PjPsP¶CÍC,CH P±CÍC,Pë C,CıP¶PePëPjPë C,P°/P°P±Ps  
C,CḡPëPIP°P»PëPjPë. Pj P·PİBḡ™ CıP·PeCÍ P· C†PëPj CÍ PIPëPİP°PrPeP°C..., PePsP»Pë  
P±C-P»CHCεPμ PSPμPjP°C” PSPμPsP±C...C-PrPSPsCÍC,C- CÍ C,PμCḡP°PİC-C—  
CÍPμCḡC,CḡP°P»C-PSPsPj, CḡPμPePsPjPμPSPPrCÍC”C,CHCÍCı PİPsCÍC,CÍPİPsPIP°  
PIC-PrPjC-PSP° PİCḡPμPİP°CḡP°C,CÍ CεP»CıC...PsPj PİPsPμC,P°PİPSPsPİPs  
P·PSPëP¶PμPSPSCı PrPsP·Pë (PrPëPI. CḡPsP·PrC-P»Pë B«PÿPİPsCÍC-P±  
P·P°CÍC,PsCÍCfPIP°PSPSCı C,P° PrPsP·PëB» C,P° B«PḡCÍPsP±P»PëPIPSCÍC,C-  
P·P°CÍC,PsCÍCfPIP°PSPSCıB»).

*P—P°CÍC,PsCÍCfPIP°PSPSCı PİP°C†C-C”PSC,P°Pj P»C-C,PSCHPsPİPs PIC-PeCé*

P—P°CÍC,PsCÍCfPIP°PSPSCı CÍPμP»PμPeC,PëPIPSPëC... C-PSPİC-P±C-C,PsCḡC-PI  
P·PIPSCḡPsC,PSPsPİPs P·P°C...PsPİP»PμPSPSCı CÍPμCḡPsC,PsPSC-PSCÍ (PÿP†P—P—Pÿ) P°P±Ps  
C-PSPİC-P±C-C,PsCḡP°PjPë P·PIPSCḡPsC,PSPsPİPs P·P°C...PsPİP»PμPSPSCı  
PSPsCḡP°PrCḡPμPSP°P»C-PSCÍ C- CÍPμCḡPsC,PsPSC-PSCÍ (P†P—P—PkPÿ),

PIPeP»CĤC±P°CĤC±Pë CÍPµCĤC,CĤP°P»C-PS, P°CÍPsC†C-CĤPIP°P»PsCÍCĬ P·  
PeP»C-PSC-C±PSPs P·PSP°C±CÍC%PëPjPë PIPëPiP°PrPeP°PjPë PiC-PiPsPSP°C,CĤC-C”PjC-C— CÍ  
PiP°C†C-C”PSC,C-PI P»C-C,PSCĤPsPiPs PIC-PeCÍ, PI CĬPePëC... PjPsP¶Pµ  
CÍPiPsCÍC,PµCĤC-PiP°C,PëCÍCĬ PiC-PrPIPëC%PµPSPëPñ CĤPëP·PëPe CĤPsP·PIPëC,PeCÍ  
C†CĤPsPiPs PiPsP±C-C±PSPsPiPs CĬPIPëC%P° (PrPëPI. CĤPsP·PrC-P»  
B«PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCĬB»).

*P—P°CÍC,PsCÍC±PIP°PSPSCĬ PrC-C,CĬPj*

PJ PiPsPSP°Pr 600 PrC-C,PµPñ, CĬPeC- PsC,CĤPëPjCÍPIP°P»Pë CÍPµCĤC,CĤP°P»C-PS,  
P·P°PiP°P»CĤPSPëPñ PiCĤPsC,,C-P»CĤ PiPsP±C-C±PSPëC... CĤPµP°PeC†C-Pñ P±CÍPI CÍ  
C†C-P»PsPjCÍ PiPsPrC-P±PSPëPñ PrPs C,P°PePsPiPs, C%Ps CÍPiPsCÍC,PµCĤC-PiP°PICÍCĬ CÍ  
PrPsCÍP»C-PrP¶PµPSPSCĬC... P· CÍC±P°CÍC,CĤ PrPsCĤPsCÍP»PëC... PiP°C†C-C”PSC,C-PI. PJ  
C...PsPrC- PeP»C-PSC-C±PSPëC... PePsPSC,CĤPsP»CĤPsPIP°PSPëC... PrPsCÍP»C-PrP¶PµPSCĤ  
P±CÍP»Pë P·P°CĤPµC”CÍC,CĤPsPIP°PSC- PSP°CÍC,CÍPiPSC- PiPsP±C-C±PSC- CĤPµP°PeC†C-C—  
(PeC-P»CĤPeC-CÍC,CĤ PiP°C†C-C”PSC,C-PI, CĬPeC- PiCĤPëPñPjP°P»Pë  
CÍPµCĤC,CĤP°P»C-PS, CÍC,P°PSPsPIPëP»P° 281):

PrCÍP¶Pµ C±P°CÍC,Ps (≥1/10): PiPsP»PsPIPSPëPñ P±C-P»CĤ (22 %), P±PµP·CÍPsPSPSCĬ (21  
%), PrC-P°CĤPµCĬ (11 %) C- PSCÍPrPsC,P° (15 %). PŞP°CÍC,Ps: (PIC-Pr ≥1/100 PrPs <1/10):  
P±C-P»CĤ CÍ PiCĤCÍPrPSC-Pñ PeP»C-C,C†C-, PjP°PSC-CĬ, PiC-CĤPµPeCÍC-CĬ,  
P±P»CĤPIP°PSPSCĬ, PIC-PrCÍCÍC,PSC-CÍC,CĤ P°PiPµC,PëC,CÍ, P°C,,PµPeC,PëPIPSP°  
P»P°P±C-P»CĤPSC-CÍC,CĤ, P°PiCĤPµCÍC-CĬ, P·P±CÍPrP¶PµPSPSCĬ,  
PSPµCĤPIPsP·PSC-CÍC,CĤ, PiPsCĤCÍC€PµPSPSCĬ CÍPIP°PiPë, P·P°PiP°PjPsCĤPsC±PµPSPSCĬ,  
PiC-PiPµCĤPeC-PSPµP·C-CĬ, PjC-PiCĤPµPSCĤ, CÍPsPSP»PëPIC-CÍC,CĤ, C,CĤPµPjPsCĤ,  
PiPsCĤCÍC€PµPSPSCĬ P·PsCĤCÍ, CÍCÍC...C-CÍC,CĤ CÍ CĤPsC,C-, PrPëCÍPiPµPiCÍC-CĬ,  
PSC-C±PSC- P¶P°C...Pë, PiC-PrPIPëC%PµPSP° PIC,PsPjP»CĤPIP°PSC-CÍC,CĤ,  
PSPµC,CĤPëPjP°PSPSCĬ CÍPµC±C-, PIPëCÍPëPiP°PSPSCĬ, P°PePSPµ, PSPsCÍPsPIP°  
PeCĤPsPIPsC,PµC±P°, PjPµC,PµPsCĤPëP·Pj. PkPµC±P°CÍC,Ps: (PIC-Pr ≥1/1000 PrPs <1/100):  
PiPsPrPsPIP¶PµPSPSCĬ C-PSC,PµCĤPIP°P»CÍ QT PSP° P·P”P”, CÍCÍC—C†PëPrP°P»CĤPSC-  
CÍPiCĤPsP±Pë, CÍCÍPrPsPjPë, PµPeCÍC,CĤP°PiC-CĤP°PjC-PrPSPëPñ CĤPsP·P»P°Pr,  
PiP°CĤPµCÍC,PµP·C-CĬ, PrPµPiCĤPµCÍC-CĬ, PiP°P»CĤC†PëPSP°C†C-C—, PiCÍCĤPiCÍCĤP°,  
PiC-PiPµCĤPIPµPSC,PëP»CĬC†C-CĬ, P°PSPµPjC-CĬ, PiPsCĤCÍC€PµPSPSCĬ C,,CÍPSPeC†C-Pñ  
PiPµC±C-PSPePë, PiC-PrPIPëC%PµPSPSCĬ CĤC-PIPSCĬ  
P°P»P°PSC-PSP°PjC-PSPsC,CĤP°PSCÍC,,PµCĤP°P·Pë, C†PëCÍC,PëC,, PiCĤPsCÍC,PëPñ  
PiPµCĤPiPµCÍ, PsC,PëC, P·PsPIPSC-C€PSCĤPsPiPs PICÍC...P°, P±C-P»CĤ CÍ PICÍCÍC-,  
P±C-P»CĤ PI PsC†C-, PjC-PrCĤC-P°P·, P·P°PiP°P»CĤPSPµ PSPµP·PrCÍP¶P°PSPSCĬ,  
PiPµPjP°C,CÍCĤC-CĬ, PiCÍCÍC,CÍP»CĤPsP·PSPµ PIPëCÍPëPiP°PSPSCĬ, CĤPëPSC-C,,  
C,CĤP°PIPjP°, P·PSPëP¶PµPSPSCĬ PjP°CÍPë C,C-P»P°, PiPsCÍPjPëPeCÍPIP°PSPSCĬ  
PjP” CĬP·C-PI, PSPµP·PIPëC±P°PñPSC- CÍPSPsPIPëPrC-PSPSCĬ, P°PiP°C,C-CĬ,  
P°P»CĤP±CÍPjC-PSCÍCĤC-CĬ, PiPsP»P°PeC-CÍCĤC-CĬ, PiPsP»C-CÍCĤC-CĬ, P±C-P»CĤ CÍ  
PjPsP»PsC±PSPëC... P·P°P»PsP·P°C..., PiPsCĤCÍC€PµPSPSCĬ PjPµPSCÍC,CĤCÍP°P»CĤPSPsPiPs  
C†PëPeP»CÍ, P°P»PsPiPµC†C-CĬ, PrPµCĤPjP°C,PëC,, CÍCĤP°P¶PµPSPSCĬ C€PeC-CĤPë,  
PSPµC,PëPiPsPIPëPñ P·P°PiP°C... C€PeC-CĤPë, PeCĤPsPiPëPiP” CĬPSPeP°, P±CĤCÍPeCÍPëP·Pj,  
PiC-PiPµCĤPµPjC-CĬ. PŞP°CÍC,PsC,P° PSPµPIC-PrPsPjP°: PµPSCÍCĤPµP·.

*P·C,,PµPeC,Pë, C...P°CĤP°PeC,PµCĤPSC- PrP»CĬ C†CĤPsPiPs PeP»P°CÍC±  
P»C-PeP°CĤCÍCĤPePëC... P·P°CÍPsP±C-PI*

PJ CĤPµP·CÍP»CĤC,P°C,C- PiCĤPsPIPµPrPµPSPSCĬ PµPiC-PrPµPjC-PsP»PsPiC-C±PSPëC...  
PrPsCÍP»C-PrP¶PµPSCĤ, C%Ps PiPµCĤPµPIP°P¶PSPs PiCĤPsPIPsPrPëP»Pë P· CÍC±P°CÍC,CĤ  
PiP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 50 CĤPsPeC-PI C,P° CÍC,P°CĤC€Pµ, P±CÍPI

PIPëCÏPIP»PµPSPëPNë PïC-PrPIPëC%oPµPSPëPNë CÏPëP·PëPe PIPëPSPëPePSPµPSPSCÏ  
PïPµCÏPµP»PsPjC-PI PeC-CÏC,PsPe Cr PïP°C†C-C''PSC,C-PI, CÏPeC- PsC,CÏPëPjCrPIP°P»Pë  
PÏP†P—P—PÏ C,P° C,CÏPëC†PëPeP»C-C†PSC- P°PSC,PëPrPµPïCÏPµCÏP°PSC,Pë.  
PµPµC...P°PSC-P·Pj, C%oPs P·CrPjPsPIP»CÏC'' PïC-PrPIPëC%oPµPSPSCÏ C†CHPsPiPs  
CÏPëP·PëPeCr, PSPµPIC-PrPsPjPëPNë.

*PµPsPIC-PrPsPjP»PµPSPSCÏ PïCÏPs PïC-PrPsP·CÏCÏPIP°PSC- PïPsP±C-C†PSC-  
CÏPµP°PeC†C-C—*

PµPsPIC-PrPsPjP»PµPSPSCÏ PïCÏPs PïC-PrPsP·CÏCÏPIP°PSC- PïPsP±C-C†PSC-  
CÏPµP°PeC†C-C— Cr PïC-CÏP»CÏCÏPµC''CÏC,CÏP°C†C-PNëPSPëPNë PïPµCÏC-PsPr C''  
PIP°P¶P»PëPIPëPj P·P°C...PsPrPsPj. PïPµ PrPsP·PIPsP»CÏC'' PïCÏPsPrPsPIP¶CrPIP°C,Pë  
PjPsPSC-C,PsCÏPëPSPi CÏPïC-PIPIC-PrPSPs€PµPSPSCÏ PePsCÏPëCÏC,CÏ/CÏPëP·PëPe  
PïCÏPë P·P°CÏC,PsCÏC†PIP°PSPSC- PïCÏPµPïP°CÏP°C,Cr. P>C-PeP°CÏCÏPj  
PïCÏPsPïPsPSCrC''C,CÏCÏCÏ PïPsPIC-PrPsPjP»CÏC,Pë PïCÏPs P±CrPrCH-CÏPeC-  
PïC-PrPsP·CÏCÏPIP°PSC- PïPsP±C-C†PSC- CÏPµP°PeC†C-C—.

***PÏPµCÏPjC-PS PïCÏPëPrP°C,PSPsCÏC,C-.*** 3 CÏPsPePë.

**PjPjPsPIPë P·P±PµCÏC-PiP°PSPSCÏ.**

P—P±PµCÏC-PiP°C,Pë PI PsCÏPëPiC-PSP°P»CHPSC-PNë CrPïP°PePsPIC†C- PïCÏPë  
C,PµPjPïPµCÏP°C,CrCÏC- PSPµ PIPëC%oPµ 25 B°PÏ Cr PSPµPrPsCÏC,CrPïPSPsPjCr PrP»CÏ  
PrC-C,PµPNë PjC-CÏC†C-.

**PjPïP°PePsPIPëP°.**

14 C,P°P±P»PµC,oPe Cr P±P»C-CÏC,PµCÏPSC-PNë CrPïP°PePsPIC†C-; PïPs 2 P±P»C-CÏC,PµCÏPë  
Cr PePsCÏPsP±C†C- P· PeP°CÏC,PsPSCr.

**PµP°C,PµPiPsCÏC-CÏ PIC-PrPïCrCÏPeCr.B**

P—P° CÏPµC†PµPiC,PsPj.

**P'PëCÏPsP±PSPëPe.**

PÏP°PS PµP°CÏPjP°CÏCHCÏC,PëPeP°P» P†PSPrP°CÏC,CÏC-P· P>C-PjC-C,PµPr/Sun  
Pharmaceutical Industries Limited.

**PµC-CÏC†PµP·PSP°C...PsPrP¶PµPSPSCÏ PIPëCÏPsP±PSPëPeP° C,P° P°PrCÏPµCÏP°  
PjC-CÏC†CÏ PïCÏPsPIP°PrP¶PµPSPSCÏ PNëPsPiPs PrC-CÏP»CHPSPsCÏC,C-.**

Plastic Pipe, PVC-Pipe» Polyethylene 3, PPE Pipe - 455001, Plastic Pipe-Cl/

Industrial Area 3, Dewas, 455001, India.