

$$\begin{aligned} & \text{PhP} \gg \text{P}^\circ \text{PSP} \cdot \text{P}^\circ \text{P} \dot{\text{C}} - \text{PS} \text{ C}'' \text{ P}^\circ \text{PSC}, \text{P} \ddot{\text{P}} \dot{\text{P}} \dot{\text{C}} \dot{\text{P}} \ddot{\text{P}} \text{C} \dots \text{PsC}, \text{P} \ddot{\text{C}} \ddagger \text{PSP} \ddot{\text{P}} \text{Pj}, \\ & \text{P}^\circ \text{PSC}, \text{P} \ddot{\text{P}} \text{Pj} \text{P}^\circ \text{PSC} - \text{P}^\circ \text{PeP}^\circ \text{P} \gg \text{CH} \ddot{\text{P}} \text{PSP} \ddot{\text{P}} \text{Pj} \text{P} \gg \text{C} - \text{PeP}^\circ \text{C} \dot{\text{H}} \dot{\text{C}} \dot{\text{H}} \text{PeP} \ddot{\text{P}} \text{Pj} \text{P} \cdot \text{P}^\circ \dot{\text{C}} \dot{\text{P}} \text{PsP} \pm \text{PsPj} \text{C}, \text{P}^\circ \\ & \text{P} \gg \text{C} - \text{PeP}^\circ \text{C} \dot{\text{H}} \dot{\text{C}} \dot{\text{H}} \text{PeP} \ddot{\text{P}} \text{Pj} \text{P} \cdot \text{P}^\circ \dot{\text{C}} \dot{\text{P}} \text{PsP} \pm \text{PsPj}, \text{C} \dot{\text{H}} \text{PeP} \ddot{\text{P}} \text{N}_\circ \dot{\text{C}} \dot{\text{H}} \text{C}, \text{P}^\circ \text{P} \pm \text{C} - \text{P} \gg \text{C} - \text{P} \cdot \text{CrC}'' \text{ PSP}^\circ \dot{\text{C}} \dot{\text{H}} \text{C}, \text{C} \dot{\text{H}} \text{C} - \text{PN}_\circ, \end{aligned}$$

C-P· C€P€CƧPsPeP€Pj CÍPíPµPeC,CƧPsPj C„P°CƧPjP°PePsP»PsPiC-C‡PSPsC— PrC-C—, C%Ps
P·CÍPjPsPIP»PµPSPs PIPiP»P€PIPsPj PSP° CƧC-P·PSC- CƧPµC‡PµPíC,PsCƧP€· P'P€CÍPIIP»PµPSPs
P·PIBƧ™ CÍP·CÍPIP°PSPSCÍ P· CÍPµCƧPsC,PsPSC-PSPsPIP€PjP€ CƧPµC‡PµPíC,PsCƧP°PjP€ 5
PƧPŸ_{2Ph/2PŸ}, 5 PƧPŸ₃, 5 PƧPŸ₆, PrPsPíP°PjC-PSPsPIP€PjP€ CƧPµC‡PµPíC,PsCƧP°PjP€ D₁, D₂, D₃, D₄,
D₅, PjCÍCÍPeP°CƧP€PSPsPIP€PjP€ CƧPµC‡PµPíC,PsCƧP°PjP€ P_{H1}-P_{H5},
P°PrCƧPµPSPµCƧPiC-C‡PSP€Pj CƧPµC‡PµPíC,PsCƧPsPj a₁ C- PiC-CÍC,P°PjC-PSPsPIP€Pj PƧ₁-
CƧPµC‡PµPíC,PsCƧPsPj. Pj C...PsPrC- PrPsCÍP»C-PrP¶PµPSCƧ PiPsPIPµPrC-PSPeP€
C,PIP°CƧP€PS, CÍPeP€Pj PIPiPsPrP€P»P€ PsP»P°PSP·P°PíC-PS, PIP€CÍPIIP»PµPSPs
P°PSC,P°PiPsPSC-P·Pj PsP»P°PSP·P°PíC-PSCÍ CÍPe PrPs CÍPµCƧPsC,PsPSC-PSPsPIP€C...
CƧPµC‡PµPíC,PsCƧC-PI 5PƧPŸ, C,P°Pe C- PrPs PrPsPíP°PjC-PSPsPIP€C... C-
C...PsP»C-PSPµCƧPiC-C‡PSP€C.... PhP»P°PSP·P°PíC-PS PjP°C" PIP€C%P€PN€ CƧC-PIPµPSCƧ
P·PIBƧ™ CÍP·CÍPIP°PSPSCÍ P· CƧPµC‡PµPíC,PsCƧP°PjP€ CÍPµCƧPsC,PsPSC-PSCÍ 5PƧPŸ₂,
PSC-P¶ P· CƧPµC‡PµPíC,PsCƧP°PjP€ PrPsPíP°PjC-PSCÍ D₂, C,P° CÍ PjPsPrPµP»CÍC... CÍPe *in*
vitro, C,P°Pe C- *in vivo*. P·P»PµPeC,CƧPsC„C-P·C-PsP»PsPiC-C‡PSC- PrPsCÍP»C-PrP¶PµPSPSCÍ
PiPsPeP°P·P°P»P€, C%Ps PsP»P°PSP·P°PíC-PS CÍPµP»PµPeC,P€PIPsPs P·PjPµPSC€CÍC"
P·P±CÍPrP»P€PIC-CÍC,CH PjPµP·PsP»C-PjP±C-C‡PSP€C... (PƧ10)
PrPsPíP°PjC-PSPµCƧPiC-C‡PSP€C... PSPµPN€CƧPsPSC-PI, PIP€CÍPIIP»CÍCƧC‡P€ PíCƧP€
C‡CHPsPjCÍ PSPµP·PSP°C‡PSP€PN€ PIPiP»P€PI PSP° CÍC,CƧC-P°CƧPSC- (PƧ9) C€P»CÍC...P€,
PiPsPIBƧ™ CÍP·P°PSC- P· PjPsC,PsCƧPSPsCƧ C„CÍPSPeC‡C-C"CH. PhP»P°PSP·P°PíC-PS
PiP°P»CHPjCÍC" CÍPjPsPIPSP€PN€ CƧPµC„P»PµPeCÍ CÍPSP€PePSPµPSPSCÍ, C%Ps
CÍPIC-PrC‡P€C,CH PíCƧPs PN€PsPiPs P°PSC,P€PíCÍP€C...PsC,P€C‡PSCÍ P°PeC,P€PIPsC-CÍC,CH
PíCƧP€ PíCƧP€PN€PsPjC- PI PrPsP·P°C..., PjPµPSC€P€C..., PSC-P¶ PrPsP·P€, C%Ps
CÍPíCƧP€C‡P€PSCÍCƧC,CH PeP°C,P°P»PµPíCÍC-CƧ, CÍPeP° C" PsP·PSP°PePsCƧ
PiPsP±C-C‡PSP€C... PjPsC,PsCƧPSP€C... PµC„PµPeC,C-PI. PƧP° PIC-PrPjC-PSCÍ PIC-Pr
PrPµCÍPeP€C... C-PSC€P€C... P°PSC,P€PíCÍP€C...PsC,P€C‡PSP€C... P»C-PeP°CƧCÍCHPeP€C...
P·P°CÍPsP±C-PI, PsP»P°PSP·P°PíC-PS PiPsCÍP€P»CHC" CƧPµP°PeC‡C-C— PSP°
PiPsPrCƧP°P·PSP€PeP€ PíCƧP€ PíCƧPsPIPµPrPµPSPSC- P°PSPeCÍC-PsP»C-C,P€C‡PSPsPiPs
C,PµCÍC,CÍ.

PµCƧP€ PsPrPSPsCƧP°P·PsPiPsPjCÍ PíCƧP€PN€PsPjC- 10 PjPi PsP»P°PSP·P°PíC-PSCÍ CÍ
C...PsPrC- PiPsP·P€C,CƧPsPSPSPs-PµPjC-CÍC-PN€PSPsC— C,PsPjPsPiCƧP°C„C-C— (PµP·PŸ) P·
CÍC‡P°CÍC,CH PrPsP±CƧPsPiPsP»CHC‡C-PI P·BƧ™ CÍCÍPsPIP°PSPs, C%Ps
PsP»P°PSP·P°PíC-PS PjP°PI P±C-P»CHC€P€PN€ CƧC-PIPµPSCƧ P·PIBƧ™ CÍP·CÍPIP°PSPSCÍ P·
CƧPµC‡PµPíC,PsCƧP°PjP€ 5 PƧPŸ_{2Ph}, PSC-P¶ C-P· PrPsPíP°PjC-PSPsPIP€PjP€
CƧPµC‡PµPíC,PsCƧP°PjP€ D₂. PµCƧC-Pj C,PsPiPs, CÍ CƧPµP·CÍP»CHC,P°C,C- P°PSP°P»C-P·CÍ
P·PsP±CƧP°P¶PµPSCƧ, PsC,CƧP€PjP°PSP€C... PíC-Pr C‡P°CÍ PrPsCÍP»C-PrP¶PµPSCƧ
PíP°C‡C-C"PS,C-PI, C...PIPsCƧP€C... PSP° C€P€P·PsC„CƧPµPSC-CƧ, PjPµC,PsPrPsPj
PsPrPSPsC„PsC,PsPSPSPsC— PµPjC-CÍC-PN€PSPsC— PePsPjPíBƧ™ CHC,PµCƧPSPsC—
C,PsPjPsPiCƧP°C„C-C— (PhPµP·PµPŸ), P·BƧ™ CÍCÍCÍPíP°P»PsCÍCÍ, C%Ps
PsP»P°PSP·P°PíC-PS-C‡CÍC,P»P€PIC- PíP°C‡C-C"PS,C,P€ PIP€CÍPIIP»CÍP»P€ PjPµPSC€P€PN€
CƧC-PIPµPSCƧ P·PIBƧ™ CÍP·CÍPIP°PSPSCÍ P·C- CÍC,CƧC-P°CƧPSP€PjP€ D₂-
CƧPµC‡PµPíC,PsCƧP°PjP€, PSC-P¶ C-PSC€C- P°PSC,P€PíCÍP€C...PsC,P€Pe- C,P°
CƧPµCÍPíC-CƧP€PrPsPSC‡CÍC,P»P€PIC- PíP°C‡C-C"PS,C,P€, C%Ps PiPsCƧC-PIPsCÍPSPSPs P·
PeP»PsP·P°PíC-PSC‡CÍC,P»P€PIP€PjP€ PíP°C‡C-C"PS,C,P°PjP€.

PµP»C-PSC-C‡PSP° PµC„PµPeC,P€PIPsC-CÍC,CH.

PµC-Pr C‡P°CÍ PrPiPsC... C-P· PrPiPsC... PíP»P°C‡PµP±Ps-PePsPSC,CƧPsP»CHPsPIP°PSP€C... C-
PrPiPsC... C-P· C,CƧCHPsC... PiPsCƧC-PIPsCÍP»CHPSPs-PePsPSC,CƧPsP»CHPsPIP°PSP€C...
PrPsCÍP»C-PrP¶PµPSCƧ P· CÍC‡P°CÍC,CH PiPsPSP°Pr 2900 C...PIPsCƧP€C... PSP°

C€P€P·PsC,,CḡPμPSC-Cḡ P· PīPsP·P€C,P€PIPSP€PjP€ C- PSpμPiP°C,P€PIPSP€PjP€
CḡP€PjPiC,PsPjP°PjP€ PsP»P°PSP·P°PiC-PS PīPsPeP°P·P°PI CḡC,P°C,P€CḡC,P€C‡PSPs
PrPsCḡC,PsPIC-CḡPSC- PrP°PSC- PīPsP»C-PiC€PμPSPSCḡ CḡPe PSpμPiP°C,P€PIPSP€C..., C,P°Pe
C- PīPsP·P€C,P€PIPSP€C... CḡP€PjPiC,PsPjC-PI.

PJ C...PsPrC- PjC-PḡPSP°CḡPsPrPSP€C... PīPsPrPIC-PN€PSP€C... CḡP»C-PiP€C...
PīPsCḡC-PIPSCḡP»CḡPSP€C... PrPsCḡP»C-PrPḡPμPSCḡ P· CḡC‡P°CḡC,Cḡ 1484
C...PIPsCḡP€C... PSP° C€P€P·PsC,,CḡPμPSC-Cḡ, C€P€P·PsP°C,,PμPeC,P€PIPSC-CḡC,Cḡ C,P° P·
P°CḡPsC‡C-PN€PsPIP°PSP€PjP€ P· C‡P€PjP€ C...PIPsCḡPsP±P°PjP€ CḡPsP·P»P°PrP°PjP€ P·
CḡC-P·PSP€Pj CḡC,CḡPīPμPSPμPj PīPsCḡCḡC€PμPSCḡ, C%Ps PīPsPIḡḡ™ CḡP·P°PSC- P·
PrPμPiCḡPμCḡP€PIPSP€PjP€ CḡP€PjPiC,PsPjP°PjP€ (16,6 PīCḡPSPeC,C-PI P·P° [C€PeP°P»PsCḡ](#)
[PḡPsPSC,PiPsPjPμCḡC--PḡCḡP±PμCḡPiP° PrP»Cḡ PsC‡C-PSPeP€ PrPμPiCḡPμCḡC-C—](#)),
[PīCḡPsCḡPīPμPeC,P€PIPSPμ PIC,PsCḡP€PSPSPμ PrPsCḡP»C-PrPḡPμPSPSCḡ PIC-Pr](#)
[PīPsC‡P°C,PeCḡ PrPs PeC-PSC‡Cḡ PsC‡C-PSPeP€ P·PjC-PS PSP°CḡC,CḡPsCḡ](#)
[PICḡC,P°PSPsPiP€P»Ps CḡC,P°C,P€CḡC,P€C‡PSPs P·PSP°C‡CḡC%Pμ](#)
[PīPsPeCḡP°C%PμPSPSCḡ \(Cḡ=0,001\) PīC-CḡP»Cḡ P»C-PeCḡPIP°PSPSCḡ](#)
[PsP»P°PSP·P°PiC-PSPsPj \(-6,0\)B PīPsCḡC-PIPSCḡPSPs P· C,P°PeP€Pj PīCḡP€](#)
[P»C-PeCḡPIP°PSPSC- PiP°P»PsPīPμCḡP€PrPsP»PsPj \(-3,1\).](#)

PJ PīP°C‡C-C''PSC,C-PI P· PjP°PSC-P°PeP°P»CḡPSP€PjP€ P°P±Ps P·PjC-C€P°PSP€PjP€
PμPiC-P·PsPrP°PjP€ PīCḡP€ P±C-PiPsP»CḡCḡPSPsPjCḡ CḡPsP·P»P°PrC- PsP»P°PSP·P°PiC-PS
PīCḡPsPrPμPjPsPSCḡC,CḡCḡPIP°PI PIP€CḡPsPeCḡ PμC,,PμPeC,P€PIPSC-CḡC,Cḡ Cḡ
P·PSP€PḡPμPSPSC- PjP°PSC-P°PeP°P»CḡPSP€C... CḡP€PjPiC,PsPjC-PI PīCḡPsC,CḡPiPsPj
3 C,P€PḡPSC-PI PīPsCḡC-PIPSCḡPSPs P· PīP»P°C‡PμP±Ps C,P° PrP€PIP°P»PīCḡPsPμPeCḡPsPj.
PḡP»P°PSP·P°PiC-PS C,P°PePsPḡ PīPsPeP°P·P°PI PīPsCḡC-PIPSCḡPSCḡ
PμC,,PμPeC,P€PIPSC-CḡC,Cḡ CḡPμP·CḡP»CḡC,P°C,C-PI P· PīP°P»PsPīPμCḡP€PrPsP»PsPj Cḡ
PīPμCḡPμCḡP°C...CḡPIP°PSPSC- PSP° C‡P°CḡC,PeCḡ PīP°C‡C-C''PSC,C-PI C-P·
CḡP€PjPiC,PsPjP°C,P€C‡PSPsCḡ CḡC,P°PrC-C''Cḡ CḡPμPjC-CḡC-C—, PīPsC‡P€PSP°CḡC‡P€
P· PjP°PSC-C— C,P° PrPμPiCḡPμCḡC-C— PSP° 6 C- 12 C,P€PḡPSCḡC... P»C-PeCḡPIP°PSPSCḡ. PJ
C...PsPrC- PrPsCḡP»C-PrPḡPμPSPSCḡ PīC-Pr C‡P°Cḡ CḡCḡPīCḡC,PSCHPsPiPs
P»C-PeCḡPIP°PSPSCḡ P»C-C,C-C''Pj P°P±Ps PIP°P»CḡPīCḡPsP°C,PsPj PīCḡPsC,CḡPiPsPj
2 C,P€PḡPSC-PI P· PrPsPrP°PIP°PSPSCḡPj PsP»P°PSP·P°PiC-PSCḡ Cḡ PrPsP·C- 10 PjPi
PICḡC,P°PSPsPiP»PμPSPs P·PSP°C‡PSPμ P·PSP€PḡPμPSPSCḡ CḡP€PjPiC,PsPjC-PI PjP°PSC-C—
PīPsCḡC-PIPSCḡPSPs P· C,P°PeP€Pj PīCḡP€ PjPsPSPsC,PμCḡP°PiC-C— P»C-C,C-C''Pj P°P±Ps
PIP°P»CḡPīCḡPsP°C,PsPj PīC-CḡP»Cḡ 6 C,P€PḡPSC-PI.

PJ C...PsPrC- 12-PjC-CḡCḡC‡PSPsPiPs PrPsCḡP»C-PrPḡPμPSPSCḡ PīCḡPsC,,C-P»P°PeC,P€PeP€
CḡPμC‡P€PrP€PIC-PI PjP°PSC-P°PeP°P»CḡPSP€C... PμPiC-P·PsPrC-PI Cḡ PīP°C‡C-C''PSC,C-PI,
CḡPeC- PrPsCḡCḡPiP»P€ CḡPμPjC-CḡC-C— P·P° PrPsPīPsPjPsPiPsCḡ PsP»P°PSP·P°PiC-PSCḡ C-
PI PīPsPrP°P»CḡC€PsPjCḡ P±CḡP»P€ CḡP°PSPrPsPjC-P·PsPIP°PSC- Cḡ PīCḡCḡPīP€
PīCḡP€PN€PsPjCḡ PsP»P°PSP·P°PiC-PSCḡ P°P±Ps PīP»P°C‡PμP±Ps, PsP»P°PSP·P°PiC-PS
PīCḡPsPrPμPjPsPSCḡC,CḡCḡPIP°PI CḡC,P°C,P€CḡC,P€C‡PSPs P·PSP°C‡CḡC%Cḡ
PīPμCḡPμPIP°PiCḡ PīPsCḡC-PIPSCḡPSPs P· PīP»P°C‡PμP±Ps PI PeC-PSC‡PμPIC-PN€ C,PsC‡C‡C-
PeCḡP€C,PμCḡC-Cḡ PsC‡C-PSPeP€ CḡPμC‡P€PrP€PICḡ P±C-PiPsP»CḡCḡPSPsPiPs
CḡPsP·P»P°PrCḡ. PḡP»P°PSP·P°PiC-PS C,P°PePsPḡ PīPsPeP°P·P°PI CḡC,P°C,P€CḡC,P€C‡PSPs
P·PSP°C‡CḡC%C- PīPμCḡPμPIP°PiP€ PSP°Pr PīP»P°C‡PμP±Ps PI CḡP°PjPeP°C...
P·P°PiPsP±C-PiP°PSPSCḡ CḡPμC‡P€PrP€PICḡ PjP°PSC-C— P°P±Ps CḡPμC‡P€PrP€PICḡ
PrPμPiCḡPμCḡC-C—.

PJ C...PsPrC- PSP°CḡC,CḡPiPSPsPiPs 12-PjC-CḡCḡC‡PSPsPiPs PrPsCḡP»C-PrPḡPμPSPSCḡ
PīCḡPsC,,C-P»P°PeC,P€PeP€ CḡPμC‡P€PrP€PIC-PI PjP°PSC-P°PeP°P»CḡPSP€C...

PJ P·PrPsC $\overline{\text{H}}$ PsPIP $\overline{\text{C}}$... PrPsP $\pm$ C $\overline{\text{H}}$ PsPIP $\overline{\text{S}}$ P»CHC†C-PI P»C-C,PSCH $\overline{\text{H}}$ PsPiPs PIC-PeCr $\overline{\text{r}}$ (PIC-Pr 65 C $\overline{\text{H}}$ PsPeC-PI) PiPsC $\overline{\text{H}}$ C-PIPSC $\overline{\text{H}}$ PPSPs P·PjPsP»PsPrC $\overline{\text{E}}$ P $\overline{\text{E}}$ PjP $\overline{\text{E}}$ P·P° PIC-PePsPj PrPsP $\pm$ C $\overline{\text{H}}$ PsPIP $\overline{\text{S}}$ P»CHC†C $\overline{\text{H}}$ PjP $\overline{\text{E}}$, C $\overline{\text{I}}$ P μ C $\overline{\text{H}}$ P μ PrPSC-PN $\overline{\text{e}}$ PiP μ C $\overline{\text{H}}$ C-PsPr PSP°PiC-PIPIP $\overline{\text{E}}$ PIP μ PrP μ PSPSC $\overline{\text{H}}$ P $\pm$ CrPI C,C $\overline{\text{H}}$ P $\overline{\text{E}}$ PIP°P»C-C $\overline{\text{E}}$ P $\overline{\text{E}}$ PN $\overline{\text{e}}$ (51,8 PiC $\overline{\text{H}}$ PsC,P $\overline{\text{E}}$ B 33,8 PiPsPrP $\overline{\text{E}}$ PSP $\overline{\text{E}}$), PeP»C-C $\overline{\text{H}}$ P μ PSC $\overline{\text{I}}$ Cr PiP»P°P·PjC- PeC $\overline{\text{H}}$ PsPIC- P $\pm$ CrPI P·PSP $\overline{\text{E}}$ P $\overline{\text{H}}$ P μ PSP $\overline{\text{E}}$ PN $\overline{\text{e}}$ (17,5 PiC $\overline{\text{H}}$ PsC,P $\overline{\text{E}}$ 18,2 P»/PiPsPr). P $\overline{\text{A}}$ P°C $\overline{\text{H}}$ PjP°PePsPeC-PSP μ C,P $\overline{\text{E}}$ C†PSC-PePsP»P $\overline{\text{E}}$ PIP°PSPSC $\overline{\text{H}}$, C%Ps C $\overline{\text{I}}$ PiPsC $\overline{\text{I}}$ C,P μ C $\overline{\text{H}}$ C-PiP°P»P $\overline{\text{E}}$ C $\overline{\text{I}}$ C $\overline{\text{H}}$ Cr PrPsP $\pm$ C $\overline{\text{H}}$ PsPIP $\overline{\text{S}}$ P»CHC†C-PI P»C-C,PSCH $\overline{\text{H}}$ PsPiPs PIC-PeCr $\overline{\text{r}}$, P·PSP°C...PsPrC $\overline{\text{H}}$ C,C $\overline{\text{H}}$ C $\overline{\text{I}}$ C $\overline{\text{H}}$ Cr PjP μ P $\overline{\text{H}}$ P°C... PrC-P°PiP°P·PsPSC $\overline{\text{I}}$ PrP»C $\overline{\text{H}}$ PjPsP»PsPrC $\overline{\text{E}}$ P $\overline{\text{E}}$ C... PrPsP $\pm$ C $\overline{\text{H}}$ PsPIP $\overline{\text{S}}$ P»CHC†C-PI. PJ 44 C...PIPsC $\overline{\text{H}}$ P $\overline{\text{E}}$ C... PSP° C $\overline{\text{E}}$ P $\overline{\text{E}}$ P·PsC,,C $\overline{\text{H}}$ P μ PSC-C $\overline{\text{H}}$ PIC-PePsPj > 65 C $\overline{\text{H}}$ PsPeC-PI PrPsP·C $\overline{\text{I}}$ PIP°PSPSC $\overline{\text{H}}$ PIC-Pr 5 PrPs 20 PjPi/PrPsP $\pm$ Cr PSP μ P $\pm$ CrP»Ps PiPsPi $\overline{\text{b}}$ $\overline{\text{H}}$ TM C $\overline{\text{H}}$ P·P°PSPs P·P $\overline{\text{H}}$ PsPrPSP $\overline{\text{E}}$ Pj C...P°C $\overline{\text{H}}$ P°PeC,P μ C $\overline{\text{H}}$ PSP $\overline{\text{E}}$ Pj PiC $\overline{\text{H}}$ PsC,,C-P»P μ Pj PSP μ P $\pm$ P°P $\overline{\text{H}}$ P°PSP $\overline{\text{E}}$ C... C $\overline{\text{H}}$ PIP $\overline{\text{E}}$ C%.

PJ P¶C-PSPsPe PİPsC¶C-PIPSC¶PSPs P· C¶PsP»PsPIC-PeP°PjPë C¶PµC¶PµPrPSC-PNë
PİPµC¶C-PsPr PSP°PİC-PIIPëPIPµPrPµPSPSC¶ P±C¶PI C,C¶PëPIP°P»C-CëPëPNë
(36,7 PİC¶PsC,Pë 32,3 PİPsPrPëPSPë) C,P° PeP»C-C¶PµPSC¶ C¶ PİP»P°P·PjC- PeC¶PsPIC-
P±C¶PI P·PSPëP¶PµPSPëPNë (18,9 PİC¶PsC,Pë 27,3 P»/PİPsPr). PhPrPSP°Pe
PsP»P°PSP·P°PİC-PS (5-20 PjPi) PİPsPeP°P·P°PI PİPsC¶C-PIPSC¶PSPëPNë
PİC¶PsC,,C-P»CH P±PµP·PİPµPePë C¶Pe C¶ P¶C-PSPsPe (N=467), C,P°Pe C- C¶
C¶PsP»PsPIC-PeC-PI (N=869).

PµP°C¶C-C"°PSC,Pë P· PSPëC¶PePsPIPsC¶ PSPµPrPsC¶C,P°C,PSC-C¶C,C¶.

PJ PİP°C¶C-C"°PSC,C-PI P· PSPëC¶PePsPIPsC¶ PSPµPrPsC¶C,P°C,PSC-C¶C,C¶ (PeP»C-C¶PµPSC¶
PeC¶PµP°C,PëPSC-PSC¶ < 10 PjP»/C...PI) PİPsC¶C-PIPSC¶PSPs P·C- P·PrPsC¶PsPIPëPjPë
PrPsP±C¶PsPIPsP»CHC¶C¶PjPë, PSPµ P±C¶P»Ps C-C¶C,PsC,PSPsC— C¶C-P·PSPëC¶C- PI
PİPsPeP°P·PSPëPeP°C... C¶PµC¶PµPrPSC¶PsPiPs PİPµC¶C-PsPrC¶
PSP°PİC-PIIPëPIPµPrPµPSPSC¶ (37,7 PİC¶PsC,Pë 32,4 PİPsPrPëPSPë) P°P±Ps
PeP»C-C¶PµPSC¶C¶ C¶ PİP»P°P·PjC- PeC¶PsPIC- (21,2 PİC¶PsC,Pë 25,0 P»/PİPsPr).
P"°PSC¶P»C-PrP¶PµPSPSC¶ PİPsPeP°P·P°P»Pë, C%°Ps PİC¶PëP±P»PëP·PSPs 57 %
PsP»P°PSP·P°PİC-PSC¶ P· C¶P°PrC-PsP°PeC,PëPIPsC¶ PjC-C,PePsC¶
PİC¶PëC¶C¶C,PSC- PI C¶PµC¶C-, PİPsP»PsPIPsPëPj C¶PëPSPsPj C¶ PIPëPiP»C¶PrC-
PjPµC,P°P±PsP»C-C,C-PI.

PµP°C¶C-C"°PSC,Pë P· PİPµC¶C-PSPePsPIPsC¶ PSPµPrPsC¶C,P°C,PSC-C¶C,C¶.

PJ PİC¶PsC¶PµC¶C- PrPsC¶P»C-PrP¶PµPSPSC¶ PİPİP»PëPIC¶ PİPµC¶C-PSPePsPIPsC—
PSPµPrPsC¶C,P°C,PSPsC¶C,C- P· C¶C¶P°C¶C,C¶ 6 PİP°C¶C-C"°PSC,C-PI P· PeP»C-PSC-C¶PSPs
P·PSP°C¶C¶C%°PëPj C¶PëC¶PsP·PsPj (PeP»P°C¶ A (n = 5) C,P° B (n = 1) P·P° CëPeP°P»PsC¶
PŞP°PNëP»PrP°-PµB¶™ C¶) P±C¶P»Ps PIPëC¶PIP»PµPSPs PSPµP·PSP°C¶PSPëPNë PİPİP»PëPI PSP°
C,,P°C¶PjP°PePsPeC-PSPµC,PëPeC¶ PİPµC¶PsC¶P°P»CHPSPs PİPİPµPrPµPSPsPiPs
PsP»P°PSP·P°PİC-PSC¶ (PsPrPSPsC¶P°P·PsPIP° PrPsP·P° C¶C,P°PSPsPIPëC,CH 2,5-7,5 PjPi).
PµP°C¶C-C"°PSC,Pë P· P»PµPiPePëPjPë C,P° PİPsPjC-C¶PSPëPjPë PİPsC¶C¶CëPµPSPSC¶PjPë
C,,C¶PSPeC¶C— PİPµC¶C-PSPePë PjP°P»Pë PrPµC%°Ps PİC-PrPIPëC%°PµPSPëPNë
C¶PëC¶C,PµPjPSPëPNë PeP»C-C¶PµPSC¶ C,P° P±C-P»CHCë CëPIPëPrPePëPNë PİPµC¶C-PsPr
PIPëPIPµPrPµPSPSC¶ PİPsC¶C-PIPSC¶PSPs P· PİP°C¶C-C"°PSC,P°PjPë, C¶ C¶PePëC... PSPµ
P±C¶P»Ps PİPsC¶C¶CëPµPSPSC¶ C,,C¶PSPeC¶C— PİPµC¶C-PSPePë (n = 3). P¶PµC¶PµPr
PİP°C¶C-C"°PSC,C-PI C-P· C¶PëC¶PsP·PsPj P±C¶P»Ps P±C-P»CHCëPµ PeC¶C¶C¶C-PI (4/6; 67 %),
PSC-P¶ C¶PµC¶PµPr PİP°C¶C-C"°PSC,C-PI P±PµP· PİPsC¶C¶CëPµPSPSC¶ C,,C¶PSPeC¶C—
PİPµC¶C-PSPePë (0/3; 0 %).

PµP°C¶C-C"°PSC,Pë, C¶PeC- PİP°P»C¶C,C¶.

P' PsC¶C-P±, C¶PeC- PSPµ PİP°P»C¶C,C¶, PİPsC¶C-PIPSC¶PSPs P· PsC¶PsP±P°PjPë, C¶PeC-
PjP°C¶C,C¶ P·PIPëC¶PeC¶ PİP°P»PëC,Pë (C¶PsP»PsPIC-PePë C- P¶C-PSPePë),
C¶PµC¶PµPrPSC-PNë PİPµC¶C-PsPr PSP°PİC-PIIPëPIPµPrPµPSPSC¶
PİPsPrPsPIP¶C¶PIP°PIC¶C¶ (38,6 PİC¶PsC,Pë 30,4 PİPsPrPëPSPë), P° PeP»C-C¶PµPSC¶ C¶
PİP»P°P·PjC- PeC¶PsPIC- P±C¶PI P·PSPëP¶PµPSPëPNë (18,6 PİC¶PsC,Pë 27,7 P»/PİPsPrPëPSC¶).

P¶P»C-C¶PµPSC¶ PsP»P°PSP·P°PİC-PSC¶ C¶ PİP»P°P·PjC- PeC¶PsPIC- PSPëP¶C¶PëPNë PI
PsC¶C-P± P»C-C,PSCHPsPiPs PIC-PeC¶ PİPsC¶C-PIPSC¶PSPs P· PjPsP»PsPrPëPjPë, C¶
P¶C-PSPsPe PİPsC¶C-PIPSC¶PSPs P· C¶PsP»PsPIC-PeP°PjPë C,P° PI PsC¶C-P±, C¶PeC- PSPµ
PİP°P»C¶C,C¶, PİPsC¶C-PIPSC¶PSPs P· C,PëPjPë, C...C,Ps PjP°C" P·PIPëC¶PeC¶ PİP°P»PëC,Pë.
PµC¶PsC,Pµ C¶C,C¶PİC-PSCH PİPİP»PëPIC¶ PIC-PeC¶, C¶C,P°C,C- P°P±Ps PİP°P»C-PSPSC¶

PSP° PeP»C-CT̃PμPSCÍ PsP»P°PSP·P°P̃C-PSCÍ CÍ P̃P»P°P·PjC- PeCT̃PsPIC- C,P° P̃PμCT̃C-PsPr
PSP°P̃C-PIPIP̃PIPμPrPμPSPSCÍ PsP»P°PSP·P°P̃C-PSCÍ PSPμP·PSP°C‡PSP̃PÑ
P̃PsCT̃C-PIPSCÍPSPs P· P·P°P̃P°P»CH̃PSPsCT̃ PjC-PSP»P̃PIC-CT̃C,CT̃ PjC-P¶
C-PSPrP̃PIC-PrCÍCÍPjP°PjP̃.

PJ P̃CT̃PsC†PμCT̃C- PrPsCÍP»C-PrP¶PμPSCĤ P· CÍC‡P°CT̃C,CT̃ P̃P°C†C-C°PSC,C-PI-
C°PICCT̃PsP̃PμPÑC†C-PI, P̃P°C†C-C°PSC,C-PI CÍP̃PsPSCÍCT̃CH̃PePsC— C,P°
PeP̃C,P°PÑCÍCT̃CH̃PePsC— PSP°C†C-PsPSP°P»CH̃PSPsCÍCT̃C,PμPÑ PIC-PrPjC-PSPSPsCÍCT̃C,PμPÑ CÍ
C„P°CT̃PjP°PePsPeC-PSPμC,P̃C†C- PsP»P°PSP·P°P̃C-PSCÍ PSPμ PIP̃CÍPIP»PμPSPs.

P°C-C,P̃.

PαP°CT̃PjP°PePsPeC-PSPμC,P̃PeP° PsP»P°PSP·P°P̃C-PSCÍ CÍ P̃C-PrP»C-C,PeC-PI (PIC-Pr 13
PrPs 17 CT̃PsPeC-PI) C- PrPsCT̃PsCÍP»P̃C... P̃PsPrC-P±PSP°. PJ C...PsPrC-
PeP»C-PSC-C‡PSP̃C... PrPsCÍP»C-PrP¶PμPSCĤ CÍPμCT̃PμPrPSC-PÑ PIP̃P»P̃PI
PsP»P°PSP·P°P̃C-PSCÍ P±CÍPI P̃CT̃P̃P±P»P̃P·PSPs PSP° 27 % PIP̃C%̃P̃PÑ CÍ
P̃C-PrP»C-C,PeC-PI. P°PμPjPsP̃CT̃P°C„C-C‡PSC- PIC-PrPjC-PSPSPsCÍCT̃C,C- PjC-P¶
P̃C-PrP»C-C,PeP°PjP̃ C- PrPsCT̃PsCÍP»P̃PjP̃ PIP̃P»CT̃C‡P°CT̃C,CT̃ PSP̃P¶C‡CÍ
CÍPμCT̃PμPrPSCĤ PjP°CÍCT̃ C,C-P»P° C,P° PjPμPSC€CÍ PeC-P»CH̃PeC-CT̃C,CT̃ PeCÍCT̃C†C-PI
CÍPμCT̃PμPrB P̃P°C†C-C°PSC,C-PI P̃C-PrP»C-C,PePsPIP̃PiPs PIC-PeCÍ. P̃P°PeC-
C„P°PeC,PsCT̃P̃, PÑPjPsPIC-CT̃PSPs, PIP̃P»P̃PIP°CT̃C,CT̃ PSP° PIP̃C%̃P̃PÑ
CÍPμCT̃PμPrPSC-PÑ PμC„PμPeC, PsP»P°PSP·P°P̃C-PSCÍ, C%̃Ps CÍP̃PsCÍCT̃C,PμCT̃C-PiP°PICÍCT̃C
CÍ P̃C-PrP»C-C,PeC-PI.

P̃P»C-PSC-C‡PSC- C...P°CT̃P°PeC,PμCT̃P̃CÍCT̃,P̃PeP̃.

PμPsPeP°P·P°PSPSCÍ.

P̃P»P°PSP·P°P̃C-PS P̃PsPeP°P·P°PSP̃PÑ PrP»CÍ P»C-PeCÍPIP°PSPSCÍ
C€P̃P·PsC„CT̃PμPSC-C—.

P̃P»P°PSP·P°P̃C-PS PμC„PμPeC,P̃PIPS̃P̃PÑ PrP»CÍ P̃C-PrC,CT̃P̃PjP°PSPSCÍ
PrPsCÍCT̃PiPSCÍCT̃C,PsPiPs PeP»C-PSC-C‡PSPsPiPs PμC„PμPeC,CÍ P̃C-Pr C‡P°CÍ
C,CT̃P̃PIP°P»PsC— C,PμCT̃P°P̃C-C— CÍ P̃P°C†C-C°PSC,C-PI, CÍ CÍPeP̃C...
CÍP̃PsCÍCT̃C,PμCT̃C-PiP°P»P°CÍCT̃C PIC-PrP̃PsPIC-PrCH̃ PSP° P̃PsC‡P°C,PePsPICÍ
C,PμCT̃P°P̃C-CT̃.

P̃P»P°PSP·P°P̃C-PS P̃PsPeP°P·P°PSP̃PÑ PrP»CÍ P»C-PeCÍPIP°PSPSCÍ
PjP°PSC-P°PeP°P»CH̃PSP̃C... PμP̃C-P·PsPrC-PI P̃PsPjC-CT̃PSPsPiPs C,P°
C,CÍP¶PePsPiPs CÍCT̃C,CÍP̃PμPSCÍ.

P̃P»P°PSP·P°P̃C-PS P̃PsPeP°P·P°PSP̃PÑ PrP»CÍ P̃CT̃PsC„C-P»P°PeC,P̃PeP̃
P̃PsPIC,PsCT̃PSP̃C... PSP°P̃P°PrC-PI CÍ P̃P°C†C-C°PSC,C-PI P·
P±C-P̃PsP»CÍCT̃PSP̃PjP̃ CT̃PsP·P»P°PrP°PjP̃, CÍ CÍPeP̃C... P±CÍP»Ps
PsC,CT̃P̃PjP°PSPs P̃PsP·P̃C,P̃PIPS̃CÍ PIC-PrP̃PsPIC-PrCH̃ P̃CT̃P̃
P»C-PeCÍPIP°PSPSC- PsP»P°PSP·P°P̃C-PSPsPjP°PSC-C—.

PuCTjPsC,PePiPsPeP°P·P°PSPSCII.

PuC-PrPIPëC%PuPSP° C±CrC,P»PëPIC-ClC,CH PrPs PrC-CHC±PsC— CTjPuC±PsPIPëPSPë P°P±Ps PrPs P±CrPrCH-ClPePsC— P· PrPsPiPsPjC-P¶PSPëC... CTjPuC±PsPIPëPS PiCTjPuPiP°CTjP°C,Cr; PIC-PrPsPjPëPNë CTjPëP·PëPe P·P°PeCTjPëC,PsPeCrC,PsPIPsC— PiP»P°CrPePsPjPë.

P'P·P°C" PjPsPrC-CII P· C-PSC€PëPjPë P»C-PeP°CTjClCHPePëPjPë P·P°ClPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C" PjPsPrC-PNë.

P'C-PrPsPjPs, C%Ps PrPsClP»C-PrP¶PuPSPSCII PIP·P°C" PjPsPrC-C— P· C-PSC€PëPjPë P»C-PeP°CTjClCHPePëPjPë P·P°ClPsP±P°PjPë PiCTjPsPIPsPrPëP»Pë C,C-P»CHPePë P· CrC±P°ClC,CH PrPsCTjPsClP»PëC... PiP°C†C-C" PSC,C-PI.

P'P·P°C" PjPsPrC-C—, C%Ps PjP°CHC,CH PiPsC,PuPSC†C-PNëPSPëPNë PIPiP»PëPI PSP°
PsP»P°PSP·P°PiC-PS

PhClPeC-P»CHPePë PsP»P°PSP·P°PiC-PS PjPuC,P°P±PsP»C-P·CrC" C,CHClCl
C-P·PsC,,PuCTjPjPuPSC,PsPj CYP1A2, CTjPuC±PsPIPëPSPë, C%Ps ClPiPuC†PëC,,C-C±PSPs
C-PSPiC-P±CrCHC,CH P°P±Ps C-PSPrCrPeCrCHC,CH C†PuPNë C-P·PsC,,PuCTjPjPuPSC,,
PjPsP¶CrC,CH PIPiP»PëPIP°C,Pë PSP° C,,P°CTjPjP°PePsPeC-PSPuC,PëPeCr
PsP»P°PSP·P°PiC-PSCr.

P†PSPrCrPeC,PsCTjPë CYP1A2

PuPuC,P°P±PsP»C-P·Pj PsP»P°PSP·P°PiC-PSCr PjPsP¶Pu P±CrC,Pë
C-PSPrCrPePsPIP°PSPëPNë PiP°P»C-PSPSCII Pj C,P° P·P°ClC,PsClCrPIP°PSPSCII Pj
PeP°CTjP±P°PjP°P·PuPiC-PSCr, ClPePëPNë PiCTjPëP·PIPsPrPëC,CH PrPs
P·PSPëP¶PuPSPSCII PePsPSC†PuPSC,CTjP°C†C-C— PsP»P°PSP·P°PiC-PSCr.
PÿPiPsClC,PuCTjC-PiP°P»PsClCl ClP»P°P±PePu P°P±Ps PiPsPjC-CTjSPu
PiC-PrPIPëC%PuPSPSCII PeP»C-CTjPuPSCrCr PsP»P°PSP·P°PiC-PSCr. P»P»C-PSC-C±PSC-
PIPëClPSPsPIPePë PsP±PjPuP¶PuPSC-, P°P»Pu CTjPuPePsPjPuPSPrCrC" C,CHClCl
PeP»C-PSC-C±PSPëPNë PjPsPSC-C,PsCTjPëPSPi C,P°, ClPeC%Ps PSPuPsP±C...C-PrPSPs,
P·P±C-P»CHC€PuPSPSCII PrPsP·Pë PsP»P°PSP·P°PiC-PSCr (PrPëPI. CTjPsP·PrC-P»
B«PÿPiPsClC-P± P·P°ClC,PsClCrPIP°PSPSCII C,P° PrPsP·PëB»).

P†PSPiC-P±C-C,PsCTjPë CYP1A2

P»P»CrPsPeClP°PjC-PS, ClPiPuC†PëC,,C-C±PSPëPNë C-PSPiC-P±C-C,PsCTj CYP1A2,
C-ClC,PsC,PSPs P·PSPëP¶CrC" PjPuC,P°P±PsP»C-P·Pj PsP»P°PSP·P°PiC-PSCr. PiPu
PiCTjPëP·PIPsPrPëC,CH PrPs ClPuCTjPuPrPSCHPsPiPs P·CTjPsClC,P°PSPSCII
PjP°PeClPëPjP°P»CHPSPsC— PePsPSC†PuPSC,CTjP°C†C-C— (C_{max}) PiC-ClP»Cl PiCTjPëPNëPsPjCr
C,,P»CrPsPeClP°PjC-PSCr PSP° 54 % ClPuCTjPuPr P¶C-PSPsPe, ClPeC- PSPu PiP°P»ClC,CH,
C,P° PSP° 77 % ClPuCTjPuPr C±PsP»PsPIC-PeC-PI, ClPeC- PiP°P»ClC,CH. PÿPuCTjPuPrPSC"
P·CTjPsClC,P°PSPSCII PiP»PsC%C- PiC-Pr C,,P°CTjPjP°PePsPeC-PSPuC,PëC±PSPsCH
PeCTjPëPIPsCH B«PePsPSC†PuPSC,CTjP°C†C-Cl-C±P°ClB» (AUC) PsP»P°PSP·P°PiC-PSCrB
ClC,P°PSPsPIPeC,CH 52 % C,P° 108 % PIC-PrPiPsPIC-PrPSPs. P"»Cl
PiP°C†C-C" PSC,C-PI, ClPeC- P·P°ClC,PsClPsPICrCHC,CH C,,P»CrPsPeClP°PjC-PS
P°P±Ps P±CrPrCH-ClPeC- C-PSC€C- C-PSPiC-P±C-C,PsCTjPë CYP1A2,
PSP°PiCTjPëPeP»P°Pr C†PëPiCTjPsC,,P»PsPeClP°C†PëPS, PSPuPsP±C...C-PrPSPs

PiC7PeP·PSP°C±P°C,Pë P·PSPëP¶PµPSC- PrPsP·Pë PsP»P°PSP·P°PiC-PSCr. PkPµPsP±C...C-PrPSPs
C7PsP·PiP»C¶PSCrC,Pë PjPsP¶P»PëPIC-ClC,Ch P·PSPëP¶PµPSPSC¶ PrPsP·Pë
PsP»P°PSP·P°PiC-PSCr, C¶PeC%Ps C-PSC-C†C-PNëPsPIP°PSPs P»C-PeCrPIP°PSPSC¶
C-PSPiC-P±C-C,PsC7PsPj CYP1A2.

P—PSPëP¶PµPSPSC¶ P±C-PsPrPsClC,CrPiPSPsClC,C-

P—P°ClC,PsClCrPIP°PSPSC¶ P°PeC,PëPIPsPIP°PSPsPiPs PICrPiC-P»P»C¶
P·PSPëP¶CrPIP°P»Ps PiPµC7PsC7P°P»ChPSCr P±C-PsPrPsClC,CrPiPSC-ClC,Ch
PsP»P°PSP·P°PiC-PSCr PSP° 50-60 % C- PiPsPIPëPSPSPs
P·P°ClC,PsClPsPICrPIP°C,PëClC¶ PiC7PsC,C¶PiPsPj 2 PiPsPrPëPS PrPs
PiC7PePNëPsPjCr P°P±Ps 2 PiPsPrPëPS PiC-ClP»C¶ PiC7PePNëPsPjCr
PsP»P°PSP·P°PiC-PSCr.

PαP»CrPsPeClPµC,PëPS (C-PSPiC-P±C-C,PsC7 CYP 2D6), PsPrPSPsC7P°P·PsPIP° PrPsP·P°
P°PSC,P°C†PëPrC-PI, C%Ps PjC-ClC,C¶C,Ch P°P»ChPjC-PSC-PNë C,P° PjP°PiPSC-PNë, P°P±Ps
C†PëPjPµC,PëPrPëPSCr C-ClC,PsC,PSPs PSPµ PIPiP»PëPIP°P»Pë PSP°
C,,P°C7PjP°PePsPeC-PSPµC,PëPeCr PsP»P°PSP·P°PiC-PSCr.

PµPsC,PµPSC†C-PNëPSP° P·PrP°C,PSC-ClC,Ch PsP»P°PSP·P°PiC-PSCr
PIP·P°C”PjPsPrC-C¶C,Pë P· C-PSC€PëPjPë P»C-PeP°C7ClCChPePëPjPë P·P°ClPsP±P°PjPë

PhP»P°PSP·P°PiC-PS PjPsP¶Pµ PIPëC¶PIP»C¶C,Pë P°PSC,P°PiPsPSC-P·Pj PrPs
PµC,,PµPeC,C-PI PiC7C¶PjPëC... C,P° PSPµPiC7C¶PjPëC... P°PiPsPSC-ClC,C-PI
PrPsPiP°PjC-PSCr.

PhP»P°PSP·P°PiC-PS PSPµ PiC7PePiPSC-C†CrPIP°PI PsClPSPsPIPSC- CYP 450-
C-P·PsC,,PµC7PjPµPSC,Pë (PSP°PiC7PePeP»P°Pr, 1P2, 2D6, 2C9, 2C19, 3A4) *in vitro*. PÿP°PePëPj
C†PëPSPsPj, PSPµ PsC†C-PeCrC”C,ChClC¶ PSC-C¶PePëC... PsClPsP±P»PëPIPëC...
PIP·P°C”PjPsPrC-PNë, C%Ps PiC-PrC,PIPµC7PrP¶PµPSPs PI PrPsClP»C-PrP¶PµPSPSC¶C... *in*
vivo, PrPµ PSPµ PIC-PrP·PSP°C†P°P»PsClCh C-PSPiC-P±CrPIP°PSPSC¶
PjPµC,P°P±PsP»C-P·PjCr PsP»P°PSP·P°PiC-PSCr PiC7Pe P·P°ClC,PsClCrPIP°PSPSC- C,P°PePëC...
P°PeC,PëIPSPëC... C7PµC†PsPIPëPS: C,C7PëC†PëPeP»C-C†PSPëC...
P°PSC,PëPrPµPiC7PµClP°PSC,C-PI (C%Ps PiC7PµPrClC,P°PIP»C¶C7C,Ch
PiPµC7PµPIP°P¶PSPs C€P»C¶C... CYP2D6), PIP°C7C,,P°C7PePSCr (CYP2C9),
C,PµPsC,,C-P»C-PSCr (CYP1A2) P°P±Ps PrC-P°P·PµPiP°PjCr (CYP3A4, 2C19).

PkPµ P±CrP»Ps PIC-PrP·PSP°C†PµPSPs PIP·P°C”PjPsPrC-C— PsP»P°PSP·P°PiC-PSCr
PiC7Pe P·P°ClC,PsClCrPIP°PSPSC- PNëPsPiPs P· P»C-C,C-C”Pj P°P±Ps
P±C-PiPµC7PePrPµPSPsPj.

PÿPµC7P°PiPµPIC,PëC†PSPëPNë PjPsPSC-C,PsC7PePSPi C7C-PIPSC¶
PIP°P»ChPiC7PsP°C,Cr Cr PiP»P°P·PjC- PeC7PsPIC- PSPµ PIPëC¶PIPëPi
PSPµPsP±C...C-PrPSPsClC,C- PePsC7PµPeC†C-C— PrPsP·Pë PIP°P»ChPiC7PsP°C,Cr
PiC7Pe ClCrPiCrC,PSChPsPjCr P·P°ClC,PsClCrPIP°PSPSC- P· PsP»P°PSP·P°PiC-PSPsPj.

P—P°PiP°P»ChPSP° P°PeC,PëIPSC-ClC,Ch C%PsPrPs C†PµPSC,C7P°P»ChPSPsC—
PSPµC7PIPsIPsC— ClPëClC,PµPjPë (PiPkPÿ)

P— PsP±PµC7PµP¶PSC-ClC,C7 ClP»C-Pr P·P°ClC,PsClPsPICrPIP°C,Pë

PsP»P°PSP·P°PīC-PS PīP°C†C-C°PSC,P°Pj, C‡PeC- PīC‡PēPNēPjP°C‡C,CH PμC,P°PSPsP»
P°P±Ps P»C-PeP°C‡C‡CHPeC- P·P°C‡PsP±Pē, C%Ps PjPsP‡C‡C,CH
C‡PīC‡PēC‡PēPSPēC,Pē PīC‡PēPiPSC-C‡PμPSPSC‡ P‡PáPŸ.

PŸC‡PīC‡C,PSC° P·P°C‡C,PsC‡C‡PIP°PSPSC‡ PsP»P°PSP·P°PīC-PSC‡ P·
P°PSC,PēPīP°C‡PeC-PSC‡PsPSC-C‡PSPēPjPē PīC‡PμPīP°C‡P°C,P°PjPē PīP°C†C-C°PSC,P°Pj C-P·
C...PIPSC‡PsP±PsC‡ PμP°C‡PeC-PSC‡PsPSP° C,P° PrPμPjPμPSC†C-C°C‡ PSPμ
C‡PμPePsPjPμPSP‡C‡C,CHC‡C‡ (PrPēPI. C‡PsP·PrC-P» B«PhC‡PsP±P»PēPIPsC‡C,C-
P·P°C‡C,PsC‡C‡PIP°PSPSC‡B»).

P†PSC,PμC‡PIP°P» QTc

PŸP»C-Pr P· PsP±PμC‡PμP‡PSC-C‡C,CH PīC‡PēP·PSP°C‡P°C,Pē PsP»P°PSP·P°PīC-PS P·
C-PSCēPēPjPē PīC‡PμPīP°C‡P°C,P°PjPē P· PIC-PrPsPjPēPj C‡PēP·PēPePsPj
PīC-PrPIPēC%PμPSPSC‡ C-PSC,PμC‡PIP°P»C‡ QTc (PrPēPI. C‡PsP·PrC-P»
B«PhC‡PsP±P»PēPIPsC‡C,C- P·P°C‡C,PsC‡C‡PIP°PSPSC‡B»).

PhC‡PsP±P»PēPIPsC‡C,C- P·P°C‡C,PsC‡C‡PIP°PSPSC‡.

PμC-Pr C‡P°C‡ P»C-PeC‡PIP°PSPSC‡ P°PSC,PēPīC‡PēC...PsC,PēC‡PSPēPjPē
P·P°C‡PsP±P°PjPē PīPsP»C-PīCēPμPSPSC‡ PeP»C-PSC-C‡PSPsPiPs C‡C,P°PSC‡
PīP°C†C-C°PSC,P° PjPsP‡Pμ P·P°PNēPSC‡C,Pē PIC-Pr PrPμPeC-P»CHPePsC... PrPSC-PI
PrPs PrPμPeC-P»CHPePsC... C,PēP‡PSC-PI. PμC‡PsC,C‡PiPsPj C‡CHPsPiPs
PīPμC‡C-PsPrC‡ PSPμPsP±C...C-PrPSPēPNē C‡PμC,PμP»CHPSPēPNē
PjPsPSC-C,PsC‡PēPSPi PīP°C†C-C°PSC,C-PI.

*PμC‡PēC...PsP·, PīPsPIb‡™ C‡P·P°PSPēPNē P· PrPμPjPμPSC†C-C°C‡ C,P°/P°P±Ps
C‡PsP·P»P°PrP°PjPē PīPsPIPμPrC-PSPePē.*

PhP»P°PSP·P°PīC-PS PSPμ PīC‡PēP·PSP°C‡PμPSPēPNē PrP»C‡ P»C-PeC‡PIP°PSPSC‡
PīC‡PēC...PsP·C-PI, PīPsPIb‡™ C‡P·P°PSPēC... P· PrPμPjPμPSC†C-C°C‡ C,P°/P°P±Ps
PīPsC‡C‡CēPμPSPSC‡Pj PīPsPIPμPrC-PSPePē, P° C,P°PePsP‡ PSPμ
C‡PμPePsPjPμPSP‡C‡C,CHC‡C‡ PrP»C‡ P·P°C‡C,PsC‡C‡PIP°PSPSC‡ PrP°PSPēPj
PīP°C†C-C°PSC,P°Pj C‡ P·PIb‡™ C‡P·PeC‡ P· PīC-PrPIPēC%PμPSPSC‡Pj
P»PμC,P°P»CHPSPsC‡C,C- C,P° C‡PēP·PēPeC‡
C‡PμC‡PμP±C‡PsPIP°C‡PeC‡P»C‡C‡PSPēC... PIPēPīP°PrPeC-PI. Pj C...PsPrC-
PīP»P°C‡PμP±Ps-PePsPSC,C‡PsP»CHPsPIP°PSPēC... PeP»C-PSC-C‡PSPēC...
PrPsC‡P»C-PrP‡PμPSC‡ (C,C‡PēPIP°P»C-C‡C,CH 6-12 C,PēP‡PSC-PI) P· C‡C‡P°C‡C,CH
PīP°C†C-C°PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeC‡ (C‡PμC‡PμPrPSC-PNē PIC-Pe 78
C‡PsPeC-PI), C‡PeC- C‡C,C‡P°P‡PrP°C‡C,CH PSP° PīC‡PēC...PsP·Pē, PīPsPIb‡™ C‡P·P°PSC- P·
PrPμPjPμPSC†C-C°C‡ C,P°/P°P±Ps PīPsC‡C‡CēPμPSPSC‡Pj PīPsPIPμPrC-PSPePē,
PeC-P»CHPeC-C‡C,CH P»PμC,P°P»CHPSPēC... PIPēPīP°PrPeC-PI P±C‡P»P° C‡ 2 C‡P°P·Pē
PIPēC%P° C‡ PīP°C†C-C°PSC,C-PI, C‡PeC- PīC‡PēPNēPjP°P»Pē PsP»P°PSP·P°PīC-PS,
PīPsC‡C-PIPSC‡PSPs P· PīP»P°C‡PμP±Ps (3,5 % PīC‡PsC,Pē 1,5 % PIC-PrPīPsPIC-PrPSPs).
P·PēC‡PsPeP° P»PμC,P°P»CHPSC-C‡C,CH PSPμ P±C‡P»P° PīPsPIb‡™ C‡P·P°PSP° P·
PIPμP»PēC‡PēPSPsC‡ P·P°C‡C,PsC‡PsPIC‡PIP°PSPēC... PrPsP· PsP»P°PSP·P°PīC-PSC‡
(C‡PμC‡PμPrPSC‡ PrPsP±PsPIP° PrPsP·P° C‡C,P°PSPsPIPēC,CH 4,4 PjPi) P°P±Ps P·
C,C‡PēPIP°P»C-C‡C,CH P»C-PeC‡PIP°PSPSC‡. PαP°PeC,PsC‡Pē C‡PēP·PēPeC‡, C‡PeC-

PjPsP¶CfC,CH CfP¶C¶P¶P¶P¶C,P¶ P¶C-PrPIP¶C%P¶P¶P¶SC¶ P»P¶C,P°P»CHPSPSCfC,C-,
PIPeP»CHC¶P°CHC,CH PIC-Pe PIC-Pr 65 C¶PsPeC-PI, PrP¶CfC,,P°PiC-CH,
P·P°CfP¶PsPePsC”PSPSC¶, PSP¶PrPsC—PrP°PSPSC¶ C,P° P·PSP¶PIPsPrPSP¶PSPSC¶,
P»P¶PiP¶PSP¶PIC- CfC,P°PSP¶ (P¶PSP¶PIPjPsPSC-¶ P· P°P±Ps P±P¶P· P°CfP¶C-CHP°C†C-C—),
CfCfP¶CfC,PSC” P·P°CfC,PscfCfP¶P°PSPSC¶ P±P¶PSP·PsPrC-P°P·P¶PiC-PSC-PI. P¶C¶PsC,P¶
PIP¶P¶P·PrPeP¶ P»P¶C,P°P»CHPSPSCfC,C- P±CfP»P¶ PIP¶C%C- P¶C¶P¶ C,P¶C¶P°PiC-C—
PsP»P°PSP·P°PiC-PSPsPj, PSC-P¶ P¶C¶P¶ P¶C¶P¶PN¶PsPjC- P¶P»P°C†P¶P±Ps,
PSP¶P·P°P»P¶P¶PSPs PIC-Pr C,,P°PeC,Psc¶C-PI C¶P¶P·P¶PeCf.

PJ C...PsPrC- PeP»C-PSC-C¶PSP¶C... PrPsCfP»C-PrP¶P¶PSC¶
CfP¶PsCfC,P¶C¶C-PiP°P»P¶CfC¶ PIP¶P¶P·PrPeP¶
C†P¶C¶P¶P±C¶PsPIP°CfPeCfP»C¶C¶PSP¶C... P¶PsP±C-C¶PSP¶C... C¶P¶P°PeC†C-PN¶
(C-PSCfCfP»CHC,, C,C¶P°PSP·P¶C,Psc¶PSP° C-C¶P¶PjC-C¶PSP° P°C,P°PeP°), Cf
C,PspjCf C¶P¶CfP»C- P· P»P¶C,P°P»CHPSP¶Pj PSP°CfP»C-PrPePsPj.
P¶C-P»CHPeC-CfC,CH C†P¶C¶P¶P±C¶PsPIP°CfPeCfP»C¶C¶PSP¶C...
P¶PsP±C-C¶PSP¶C... C¶P¶P°PeC†C-PN¶ P±CfP»P° Cf 3 C¶P°P·P¶ PIP¶C%P° Cf
P¶P°C†C-C”PSC,C-PI, C¶PeC- P¶C¶P¶PN¶PjP°P»P¶ PsP»P°PSP·P°PiC-PS,
P¶PsC¶C-PIPSC¶PSPs P· P¶P»P°C†P¶P±Ps (1,3 % P¶C¶PsC,P¶ 0,4 %
PIC-PrP¶PsPIC-PrPSPs). PjCfC- P¶P°C†C-C”PSC,P¶, C¶PeC- P¶C¶P¶PN¶PjP°P»P¶
PsP»P°PSP·P°PiC-PS P°P±Ps P¶P»P°C†P¶P±Ps C- Cf C¶PeP¶C...
CfP¶PsCfC,P¶C¶C-PiP°P»P¶CfC¶ C†P¶C¶P¶P±C¶PsPIP°CfPeCfP»C¶C¶PSC-
P¶PsP±C-C¶PSC- C¶P¶P°PeC†C-C—, PjP°P»P¶ C,,P°PeC,Psc¶P¶ C¶P¶P·P¶PeCf. P’C-Pe
PIC-Pr 75 C¶PsPeC-PI C,P° CfCfPrP¶PSPSP¶PN¶/P·PjC-C¶P°PSP¶PN¶ C,P¶Pi
PrP¶PjP¶PSC†C-C— P±CfP»P¶ C-PrP¶PSC,P¶C,,C-PePsPIP°PSC- C¶Pe C,,P°PeC,Psc¶P¶
C¶P¶P·P¶PeCf C†P¶C¶P¶P±C¶PsPIP°CfPeCfP»C¶C¶PSP¶C... P¶PsP±C-C¶PSP¶C...
C¶P¶P°PeC†C-PN¶ P¶C¶P¶ C,P¶C¶P°PiC-C— PsP»P°PSP·P°PiC-PSPsPj.
P·C,,P¶PeC,P¶PIPSC-CfC,CH PsP»P°PSP·P°PiC-PSCf PSP¶ P±CfP»P°
PICfC,P°PSPsPIP»P¶PSP° Cf C...PsPrC- PrP°PSP¶C... PrPsCfP»C-PrP¶P¶PSC¶.

P¶PIPsC¶PsP±P° P¶P°C¶PeC-PSCfPsPSP°. P¶P¶ C¶P¶PePsPjP¶PSP¶PIP°PSPs
P·P°CfC,PscfCfP¶P°PSPSC¶ PsP»P°PSP·P°PiC-PSCf PI C,P¶C¶P°PiC-C— P¶CfP¶C...PsP·C-PI,
C%Ps P°CfPsC†C-PN¶PsPIP°PSC- P· P°PiPsPSC-CfC,P°PjP¶ PrPsP¶PjC-PSCf Cf
P¶P°C†C-C”PSC,C-PI C-P· C...PIPsC¶PsP±PsCH P¶P°C¶PeC-PSCfPsPSP°. PJ C...PsPrC-
PeP»C-PSC-C¶PSP¶C... PrPsCfP»C-PrP¶P¶PSC¶ PrCfP¶P¶ C¶P°CfC,Psc
CfP¶PsCfC,P¶C¶C-PiP°P»P¶CfC¶ P¶PsPiC-C¶C¶P¶PSPSC¶ CfP¶PjPiC,PspjP°C,P¶PeP¶
C...PIPsC¶PsP±P¶ P¶P°C¶PeC-PSCfPsPSP° C,P° PiP°P»CHC†P¶PSP°C†C-PN¶, C¶P°CfC,C-C¶P¶,
PSC-P¶ P¶C¶P¶ P¶C¶P¶PN¶PsPjC- P¶P»P°C†P¶P±Ps (PrP¶PI. C¶PsP·PrC-P» B«P¶PsP±C-C¶PSC-
C¶P¶P°PeC†C-C—B»); P¶C¶P¶ P»C-PeCfP¶P°PSPSC- P¶CfP¶C...PsC,P¶C¶PSP¶C...
CfP¶PjPiC,PspjC-PI C,P¶C¶P°PiC-¶ PsP»P°PSP·P°PiC-PSPsPj PSP¶ P±CfP»P° P±C-P»CHC¶
P¶C,,P¶PeC,P¶PIPSPsCH P¶PsC¶C-PIPSC¶PSPs C-P· P·P°CfC,PscfCfP¶P°PSPSC¶Pj
P¶P»P°C†P¶P±Ps. P— CfP°PjPsPiPs P¶PsC¶P°C,PeCf C†P¶C... PrPsCfP»C-PrP¶P¶PSC¶ PIC-Pr
P¶P°C†C-C”PSC,C-PI PIP¶PjP°PiP°P»P¶CfC¶ P¶PsCfC,C-PN¶PSP¶ P·P°CfC,PscfCfP¶PICfP¶P°PSPSC¶
PSP°PN¶PjP¶PSC¶PsC— P¶C,,P¶PeC,P¶PIPSPsC— PrPsP·P¶
P°PSC,P¶P¶P°C¶PeC-PSCfPsPSC-C¶PSP¶C... P»C-PeP°C¶CfCHPeP¶C... P·P°CfPsP±C-PI
(P°PiPsPSC-CfC,C-PI PrPsP¶PjC-PSCf), P° C,P°PePsP¶ P·P°CfC,PscfCfP¶PICfP¶P°PSPSC¶
C,P¶C... CfP°PjP¶C... P°PSC,P¶P¶P°C¶PeC-PSCfPsPSC-C¶PSP¶C... P»C-PeP°C¶CfCHPeP¶C...
P·P°CfPsP±C-PI C- PrPsP· P¶C¶PsC,C¶PiPsPj CfCfCHPsPiPs PrPsCfP»C-PrP¶P¶PSPSC¶.
P¶P¶C¶P°PiC-CH PsP»P°PSP·P°PiC-PSPsPj P±CfP»Ps C¶PsP·P¶PsC¶P°C,Psc P· PrPsP·P¶ 2,5
PjPi/PrPsP±Cf, C¶PeCf P·P±C-P»CHC¶CfP¶P°P¶P¶ C¶P»C¶C...PsPj C,P¶C,C¶CfP¶P°PSPSC¶ PrPs

PjP°PeCÍPëPjP°P»CHbPSPsPiPs PiPsPeP°P·PSPëPeP° 15 PjPi/PrPsP±Cf.

PkPμPNëCtjPsP»PμPiC,PëC±PSPëPNë P·P»PsCtjPeC-CÍPSPëPNë CÍPëPSPrCtjPsPj.
PkPμPNëCtjPsP»PμPiC,PëC±PSPëPNë P·P»PsCtjPeC-CÍPSPëPNë CÍPëPSPrCtjPsPj (PkP—PŸ) bTj“
C†Pμ PiPsC,PμPSC†C-PNëPSPs P»PμC,P°P»CHbPSPëPNë
CÍPëPjPiC,PsPjPsPePsPjPiP»PμPeCÍ, PsPiPëCÍP°PSPëPNë Cr P·PIbTj™ CtjP·PeCr P·
P°PSC,PëPiCÍPëC...PsC,PëC±PSPëPjPë PiCtjPμPiP°CtjP°C,P°PjPë. P C-PrPePs
PiPsPIC-PrPsPjP»CtjP»PsCÍCtj PiCtjPs PiPëPiP°PrPePë PkP—PŸ, PiPsPIbTj™ CtjP·P°PSC-
C-P· P·P°CÍC,PsCÍCrPiP°PSPSCtjPj PsP»P°PSP·P°PiC-PSCf. PjP»C-PSC-C±PSPëPjPë
PiCtjPsCtjPiP°PjPë PkP—PŸ C” PiC-PiPμCtjPiC-CtjPμPeCÍC-Ctj, PjPbTj™ CtjP·PsPiP°
CtjPëPiC-PrPSC-CÍC,CHb, PIC,CtjP°C,P° CÍPIC-PrPsPjPsCÍC,C- C,P° CÍPëPjPiC,PsPjPë
CÍPμCtjC†PμPiPsC— PSPμCÍC,P°P±C-P»CHbPSPsCÍC,C- (PSPμCtjPμPiCrP»CtjCtjPSC-
PiCrP»CHbCÍ P°P±Ps P·PjC-PSP° P°CtjC,PμCtjC-P°P»CHbPSPsPiPs C,PëCÍPeCr,
C,P°C...C-PeP°CtjPrC-Ctj, PiC-PrPiPëC%PμPSPμ PiPsC,PsPiPëPrC-P»PμPSPSCtj C,P°
CÍPμCtjC†PμPiP° P°CtjPëC,PjC-Ctj). P”PsPrP°C,PePsPIC- PsP·PSP°PePë PjPsP¶CrC,CHb
PiPeP»CtjC†P°C,Pë PiC-PrPiPëC%PμPSPëPNë CtjC-PIPμPSCb
PeCtjPμP°C,PëPSC-PSC,,PsCÍC,,PsPeC-PSP°P·Pë, PjC-PsPiP»PsP±C-PSCfCtjC-Ctj
(CtjP°P±PrPsPjC-PsP»C-P·) C,P° PiPsCÍC,CtjCr PSPëCtjPePsPICf
PSPμPrPsCÍC,P°C,PSC-CÍC,CHb. PjP»C-PSC-C±PSPëPNë PiCtjPsCtjPi PkP—PŸ P°P±Ps
PSP°CtjPiPSC-CÍC,CHb PiC-PiPμCtjC,PμCtjPjC-C— P±PμP· PeP»C-PSC-C±PSPsPiPs
PiCtjPsCtjPiCf PkP—PŸ PiPsC,CtjPμP±CrC” PSPμPiP°PNëPSPsC— PIC-PrPjC-PSPë
PICÍC-C... P°PSC,PëPiCÍPëC...PsC,PëC±PSPëC... P·P°CÍPsP±C-PI, PiPeP»CtjC†P°CtjC†Pë
PsP»P°PSP·P°PiC-PS.

P”C-PiPμCtjPiP»C-PePμPjC-Ctj C- C†CzPeCtjPsPiPëPNë PrC-P°P±PμC,.

PkPμC†P°CÍC,Ps PiPsPIC-PrPsPjP»CtjP»Pë PiCtjPs PiC-PiPμCtjPiP»C-PePμPjC-Ctj
C,P°/P°P±Ps CtjPsP·PiPëC,PsPe C†CrPeCtjPsPiPsPiPs PrC-P°P±PμC,Cr P°P±Ps
PiPsPIC-CtjC€PμPSPSCtj PiPμCtjPμP±C-PiCr PiP¶Pμ C-CÍPSCfCtjC†PsPiPs,
P°CÍPsC†C-PNëPsPiP°PSPsPiPs P· PePμC,PsP°C†PëPrPsP·PsPj P°P±Ps PrC-P°P±PμC,PëC±PSPsCtj
PePsPjPsCtj, P° C,P°PePsP¶ PiCtjPs P»PμC,P°P»CHbPSC- PiPëPiP°PrPePë. P†PSPsPrC-
PiPsPIC-PrPsPjP»CtjP»PsCÍCtj PiCtjPs PiPsPiPμCtjPμPrPSC” PiC-PrPiPëC%PμPSPSCtj PjP°CÍPë
C,C-P»P°, C%Ps PjPsPiP»Ps P±CrC,Pë C,,P°PeC,PsCtjPsPj CtjPëP·PëPeCr.

P PμPePsPjPμPSPrPsPiP°PSPs PiCtjPsPiPsPrPëC,Pë PIC-PrPiPsPIC-PrPSPëPNë
PeP»C-PSC-C±PSPëPNë PjPsPSC-C,PsCtjPëPSPi PiP°C†C-C”PSC,C-PI C-P·
C†CrPeCtjPsPiPëPj PrC-P°P±PμC,PsPj C,P° PiP°C†C-C”PSC,C-PI P· C,,P°PeC,PsCtjP°PjPë
CtjPëP·PëPeCr CtjPsP·PiPëC,PeCr C†CrPeCtjPsPiPsPiPs PrC-P°P±PμC,Cr, P·PsPeCtjPμPjP°
PiPëPjC-CtjCtjPiP°C,Pë CtjC-PIPμPSCb PiP»CtjPePsP·Pë PI PeCtjPsPIC- PSP° PiPsC†P°C,PeCr
P»C-PeCrPiP°PSPSCtj, C†PμCtjPμP· 12 C,PëP¶PSC-PI, P° C,P°PePsP¶ C%PsCtjC-C±PSPs Cr
PiPsPrP°P»CHbC€PsPjCr. PμP°C†C-C”PSC,Pë, CtjPeC- PsC,CtjPëPjCrCtjC,CHb
P»C-PeCrPiP°PSPSCtj P°PSC,PëPiCÍPëC...PsC,PëC±PSPëPjPë P·P°CÍPsP±P°PjPë,
PiPeP»CtjC†P°CtjC†Pë PsP»P°PSP·P°PiC-PS, PiPsPiPëPSPSC- P±CrC,Pë PiC-Pr PSP°PiP»CtjPrPsPj
CÍC,PsCÍPsPiPSPs PiCtjPsCtjPiC-PI PsP·PSP°Pe C,P° CÍPëPjPiC,PsPjC-PI
PiC-PiPμCtjPiP»C-PePμPjC-C— (C,P°PePëC... CtjPe PiPsP»C-PrPëPiCÍC-Ctj, PiPsP»C-CrCtjC-Ctj,
PiPsP»C-C,,P°PiC-Ctj C,P° CÍP»P°P±PeC-CÍC,CHb). PμP°C†C-C”PSC,C-PI P· C†CrPeCtjPsPiPëPj
PrC-P°P±PμC,PsPj C,P° PiP°C†C-C”PSC,C-PI P· C,,P°PeC,PsCtjP°PjPë CtjPëP·PëPeCr
CtjPsP·PiPëC,PeCr PrC-P°P±PμC,Cr PSPμPsP±C...C-PrPSPs CtjPμPiCrP»CtjCtjPSPs
PePsPSC,CtjPsP»CtjPiP°C,Pë C%PsPrPs PiPsPiC-CtjC€PμPSPSCtj CtjC-PIPSCtj

PePsPSC, C₇H₅PsP»C₇H PiP»C₇HPePsP·Pë. PŸP»C-Pr C₇H₅P_μPiC₇P»C₇HC₇PSPs
PePsPSC, C₇H₅PsP»C₇HPIP° C, Pë PjP°C₇Cr C, C-P»P°, PSP°P_iC₇H₅PëPeP»P°Pr, PSP° P_iPsC₇P° C, PeC₇
P»C-PeC₇PIP°PSPSC₇, C₇P_μC₇H₅P_μP· 4 C, PëP₇PSC-, C₇P_μC₇H₅P_μP· 8 C, PëP₇PSC-PI C, P° C₇P_μC₇H₅P_μP·
12 C, PëP₇PSC-PI, P° C, P°PePsP₇ P₅PrPëPS C₇H₅P°P· PSP° PePIP°C₇H₅, P°P» Cr
P_iPsPrP°P»CHC₇PsPjCr.

P—PjC-PSPë C₇H₅C-PIPSC₇ P»C-PiC-PrC-PI. P₇P_μP±P°P₇P°PSC- P·PjC-PSPë C₇H₅C-PIPSC₇
P»C-PiC-PrC-PI C₇P_iPsC₇Cr, P_μC₇H₅C-PiP°P»PëC₇Cr C₇ P_iP°C₇C-C°PSC, C-PI, C₇IPeC-
PsC, C₇H₅PëPjCrPIP°P»Pë PsP»P°PSP·P°PiC-PS Cr P_iP»P°C₇P_μP±Ps-
PePsPSC, C₇H₅PsP»CH₅PsPIP°PSPëC... PeP»C-PSC-C₇PSPëC... PIPëP_iC₇H₅PsP±C₇PIP°PSPSC₇C....
P—PjC-PSPë C₇H₅C-PIPSC₇ P»C-PiC-PrC-PI C₇P»C-Pr PePsC₇H₅P_μPiC₇PIP° C, Pë PSP°P»P_μP₇PSPëPj
C₇PëPSPsPj Cr P_iP°C₇C-C°PSC, C-PI C-P· PrPëC₇P»C-PiC-PrP_μPjC-C°C₇ C, P° Cr
P_iP°C₇C-C°PSC, C-PI C-P· C, P°PeC, PsC₇H₅P°PjPë C₇H₅PëP·PëPeC₇ C₇PsP·PIPëC, PeC₇
P_iPsC₇CrC₇PsPSC₇ PsP±PjC-PSC₇ P»C-PiC-PrC-PI. P_μP°C₇C-C°PSC, P°Pj, C₇IPeC-
PsC, C₇H₅PëPjCrC₇C, CH₅ P»C-PeC₇PIP°PSPSC₇ P°PSC, PëP_iC₇PëC...PsC, PëC₇PSPëPjPë
P·P°C₇P_μP±P°PjPë, PIPeP»C₇H₅C₇P°C₇C₇Pë PsP»P°PSP·P°PiC-PS, PSP_μPsP±C...C-PrPSPs
C₇H₅P_μPiC₇P»C₇HC₇PSPs PePsPSC, C₇H₅PsP»C₇HPIP° C, Pë C₇H₅C-PIPSC- P»C-PiC-PrC-PI Cr
PeC₇PsPIC-, PSP°P_iC₇H₅PëPeP»P°Pr, PSP° P_iPsC₇P° C, PeC₇ P»C-PeC₇PIP°PSPSC₇, C₇P_μC₇H₅P_μP· 12
C, PëP₇PSC-PI, P° C, P°PePsP₇ PePsP₇PSC- 5 C₇H₅PsPeC-PI Cr P_iPsPrP°P»CHC₇PsPjCr.

P₇H₅PSC, PëC...PsP»C-PSP_μC₇H₅PiC-C₇PSP° P°PeC, PëPIPSC-C₇Cr, CH₅. Pj C...PsPrC-
PeP»C-PSC-C₇PSPëC... PrPsC₇P»C-PrP₇P_μPSCH₅ PIPëC₇PIP»P_μPSPs PSPëP·CH₅PeC₇
C₇P°C₇Cr, PsC, Cr P°PSC, PëC...PsP»C-PSP_μC₇H₅PiC-C₇PSPëC... C₇IPIPëC%. P₇H₅PrPSP°Pe
C₇P_μC₇H₅P_μP· PsP±PjP_μP₇P_μPSC-C₇Cr, CH₅ PeP»C-PSC-C₇PSPsPiPs PrPsC₇PIP-PrCr
P·P°C₇Cr, PsC₇CrPIP°PSPSC₇ PsP»P°PSP·P°PiC-PSC₇ P_iP°C₇C-C°PSC, P°Pj C-P·
C₇CrP_iCrC, PSC-PjPë P·P°C...PIP₅C₇H₅PIP°PSPSC₇PjPë C₇P»C-Pr P±C₇Cr, Pë
PsP±P_μC₇H₅P_μP₇PSPëPjPë P_iC₇H₅Pë P_iC₇H₅PëP·PSP°C₇P_μPSPSC- P_iC₇H₅P_μP_iP°C₇H₅P° C, Cr
P_iP°C₇C-C°PSC, P°Pj C-P· PiC-P_iP_μC₇H₅C, C₇PsC, C-C°C₇ P_iC₇H₅PsC₇Cr, P°C, Pë,
P_iP°C₇H₅P°P»C-C, PëC₇PSPsC₇ PePëC₇PePsPIPsC₇ PSP_μP_iC₇H₅PsC...C-PrPSC-C₇Cr, C₇
P°P±Ps P_iPsPrC-P±PSPëPjPë C₇Cr, P°PSP°PjPë.

P_μPsPeP°P·PSPëPePë P_iP_μC₇C-PSPePsPIPsC— C, C₇PSPeC₇C-C—. P_μC₇H₅Pë
P·P°C₇Cr, PsC₇CrPIP°PSPSC- PsP»P°PSP·P°PiC-PSC₇ C₇P°C₇Cr, Ps
C₇P_iPsC₇Cr, P_μC₇H₅C-PiP°P»PëC₇Cr C, C₇H₅P°PSP·PëC, PsC₇H₅PSC-
P°C₇PëPjPiC, PsPjP° C, PëC₇PSC- PiC-PrP_μPsPjPë C₇H₅C-PIPSC₇ P_iP_μC₇C-PSPePsPIPëC...
C, C₇H₅P°PSC₇P°PjC-PSP°P· P₇H₅P»P₇P₇ C, P° P₇C₇P₇P₇, PsC₇PsP±P»PëPIPs PSP°
P_iPsC₇P° C, PeC₇ P»C-PeC₇PIP°PSPSC₇. P_μP°C₇C-C°PSC, P°Pj C-P·
PiC-PrPIPëC%P_μPSPëPj C₇H₅C-PIPSP_μPj P₇H₅P»P₇P₇ C, P°/C₇Pë P₇H₅P»P₇P₇, PsP·PSP°PeP°PjPë
C, P° C₇PëPjPiC, PsPjP°PjPë P_iPsC₇CrC₇PsPSC₇ C, C₇PsPeC₇C-C— P_iP_μC₇C-PSPePë,
P_iP°C₇C-C°PSC, P°Pj C-P· P_iPsP_iP_μC₇H₅P_μPrPSCH₅Ps C-C₇PSC₇CrC₇C₇PëPjPë
C₇Cr, P°PSP°PjPë, P_iPsPIB₇™ C₇IP·P°PSPëPjPë P· PsP±PjP_μP₇P_μPSPëPj
C, C₇PsPeC₇C-PsPSP°P»CH₅PSPëPj C₇H₅P_μP·P_μC₇H₅PIPsPj P_iP_μC₇C-PSPePë, P° C, P°PePsP₇
P_iP°C₇C-C°PSC, P°Pj, C₇IPeC- P_iC₇H₅PëP_μPjP°C₇C, CH₅ P_iPsC, P_μPSC₇C-PN₇PSPs
P_iP_μPiP° C, PsC, PsPeC₇PëC₇PSC- P_iC₇H₅P_μPiP°C₇H₅P° C, Pë, PsP»P°PSP·P°PiC-PS
P_iC₇H₅PëP·PSP°C₇P°C₇C, CH₅ P· PsP±P_μC₇H₅P_μP₇PSC-C₇Cr, C₇. P_μC₇H₅Pë
PIPëC₇PIP»P_μPSPSC- P_iP_μPiP° C, PëC, Cr (PIPeP»C₇H₅C₇P°C₇C₇Pë
P_iP_μPiP° C, PsC₇P_μP»C₇H₅P»C₇HC₇PSP_μ, C...PsP»P_μC₇Cr, P° C, PëC₇PSP_μ P°P±Ps
P·PjC-C₇PsP_μ CrC₇H₅P°P₇P_μPSPSC₇ P_iP_μC₇C-PSPePë) PsP»P°PSP·P°PiC-PS
PSP_μPsP±C...C-PrPSPs PIC-PrPjC-PSPëC, Pë.

$P_k P_{\mu} P N_{\Sigma} C, C_{\eta} P s P i P_{\mu} P S C - C_{\eta}$. $P_h P \gg P^{\circ} P S P \cdot P^{\circ} P i C - P S P S P_{\mu} P s P \pm C \dots C - P r P S P s P i C_{\eta} P e P \cdot P S P^{\circ} C \ddagger P^{\circ} C, P e$
 $P \cdot P s P \pm P_{\mu} C_{\eta} P_{\mu} P \parallel P S C - C_{\eta}^{\circ} C, C_{\eta} P i C_{\eta} P e P S P e P \cdot C h P e P s P j C r C_{\eta} C - P I P S C - P \gg P_{\mu} P N_{\Sigma} P e P s C \ddagger P e C, C - P I$
 $C, P^{\circ} / P^{\circ} P \pm P s P S P_{\mu} P N_{\Sigma} C, C_{\eta} P s C, C - P \gg C - P I P \cdot P \pm C r P r C h - C_{\eta} P e P s C - P i C_{\eta} P e C \ddagger P e P S P e$
 $P i P^{\circ} C \ddagger C - C^{\circ} P S C, P^{\circ} P j, C_{\eta} P e C - P s C, C_{\eta} P e P j C r C_{\eta} C, C h P \gg C - P e C r P I P^{\circ} P S P S C_{\eta}$
 $P i C_{\eta} P_{\mu} P i P^{\circ} C_{\eta} P^{\circ} C, P^{\circ} P j P e, C_{\eta} P s P j P s P \parallel C r C, C h C_{\eta} P i C_{\eta} P e C \ddagger P e P S P e C, P e$
 $P S P_{\mu} P N_{\Sigma} C, C_{\eta} P s P i P_{\mu} P S C - C_{\eta}, P i P^{\circ} C \ddagger C - C^{\circ} P S C, P^{\circ} P j, C_{\eta} P e C - P j P^{\circ} C_{\eta} C, C h P I P^{\circ} P S P^{\circ} P j P S P_{\mu} P \cdot C -$
 $P j P_{\mu} P r P e P e P^{\circ} P j P_{\mu} P S C, P s P \cdot P S P_{\mu} P i C_{\eta} P e P i P S C - C \ddagger P_{\mu} P S P S C_{\eta} / C, P s P e C_{\eta} P e C \ddagger P S P_{\mu}$
 $C r C_{\eta} P^{\circ} P \parallel P_{\mu} P S P S C_{\eta} P e C - C_{\eta}^{\circ} C, P e P s P I P s P i P s P j P s P \cdot P e C r, P i P^{\circ} C \ddagger C - C^{\circ} P S C, P^{\circ} P j C - P \cdot$
 $P i C_{\eta} P e P i P S C - C \ddagger P_{\mu} P S P S C_{\eta} P j P e C - C_{\eta}^{\circ} C, P e P s P I P s P i P s P j P s P \cdot P e C r, C_{\eta} P i C_{\eta} P e C \ddagger P e P S P_{\mu} P S P e P j$
 $C_{\eta} C r P i C r C, P S C - P j P e P \cdot P^{\circ} C \dots P I P s C_{\eta} C h P I P^{\circ} P S P S C_{\eta} P j P e, P s P i C_{\eta} P s P j C - P S P_{\mu} P S P S C_{\eta} P j P^{\circ} P \pm P s$
 $C \dots C - P j C - P s C, P_{\mu} C_{\eta} P^{\circ} P i C - C^{\circ} C_{\eta}, C, P^{\circ} B P i P^{\circ} C \ddagger C - C^{\circ} P S C, P^{\circ} P j C - P \cdot$
 $P i C - P i P_{\mu} C_{\eta} P_{\mu} P s P \cdot P e P S P s C, C - P \gg C - C^{\circ} C_{\eta} C, P^{\circ} P j C - C^{\circ} P \gg P s P i C_{\eta} P s P \gg C - C, P_{\mu} C_{\eta} P^{\circ} C, P e P I P S P e P j$
 $P \cdot P^{\circ} C \dots P I P s C_{\eta} C h P I P^{\circ} P S P S C_{\eta} P j. P_k P_{\mu} P N_{\Sigma} C, C_{\eta} P s P i P_{\mu} P S C - C_{\eta} C^{\circ} C \ddagger P^{\circ} C_{\eta}^{\circ} C, P e P j P i P s P \pm C - C \ddagger P S P e P j$
 $P_{\mu} C, P_{\mu} P e C, P s P j P i C_{\eta} P e C_{\eta} P i C - P \gg C h P S P s P j C r P \cdot P^{\circ} C_{\eta}^{\circ} C, P s C_{\eta} C r P I P^{\circ} P S P S C -$
 $P I P^{\circ} P \gg C h P i C_{\eta} P s P^{\circ} C, C r C, P^{\circ} P s P \gg P^{\circ} P S P \cdot P^{\circ} P i C - P S C r (P r P e P I. C_{\eta} P s P \cdot P r C - P \gg B \ll P_{\mu} P s P \pm C - C \ddagger P S C -$
 $C_{\eta} P_{\mu} P^{\circ} P e C \ddagger C - C - B \gg).$

$P_{\mu} C_{\eta} P e P i P e P S P_{\mu} P S P S C_{\eta} C, P_{\mu} C_{\eta} P^{\circ} P i C - C -$. $P_{\mu} C_{\eta} P e C_{\eta} C - P \cdot P e P s P j C r$
 $P i C_{\eta} P e P i P e P S P_{\mu} P S P S C - C, P_{\mu} C_{\eta} P^{\circ} P i C - C - C_{\eta} C - P r P e P s (\geq 0,01 \% C, P^{\circ} 0,1 \%)$
 $P i P s P I C - P r P s P j P \gg C_{\eta} P \gg P e P i C_{\eta} P s P i P s C_{\eta}^{\circ} C, C_{\eta} C - C_{\eta} P e P j P i C, P s P j P e, P \cdot P s P e C_{\eta} P_{\mu} P j P^{\circ} P i C_{\eta} P s$
 $P S P^{\circ} P r P j C - C_{\eta} P S P_{\mu} P i P s C, P s P I P e P r C - P \gg P_{\mu} P S P S C_{\eta}, P \pm P_{\mu} P \cdot C_{\eta} P s P S P S C_{\eta}, C, C_{\eta} P_{\mu} P j P s C_{\eta},$
 $C_{\eta} P s P \cdot P r C_{\eta} P^{\circ} C, P s P I P^{\circ} P S C - C_{\eta}^{\circ} C, C h, P S C r P r P s C, C r P^{\circ} P \pm P s P \pm P \gg C_{\eta} P I P^{\circ} P S P S C_{\eta}.$

$Q T - C - P S C, P_{\mu} C_{\eta} P I P^{\circ} P \gg$. $P j C \dots P s P r C - P e P \gg C - P S C - C \ddagger P S P e C \dots P r P s C_{\eta} P \gg C - P r P \parallel P_{\mu} P S C h$
 $P e P \gg C - P S C - C \ddagger P S P s P \cdot P S P^{\circ} C \ddagger C r C_{\eta} P_{\mu} P i P s P r P s P I P \parallel P_{\mu} P S P S C_{\eta} C - P S C, P_{\mu} C_{\eta} P I P^{\circ} P \gg C r Q T c$
 $(P e P s C_{\eta} P_{\mu} P e C \ddagger C - C_{\eta} Q T P \cdot P^{\circ} P \gg C_{\eta} C - P r P_{\mu} C_{\eta} C - P e P s P j (Q T c F) \geq 500 P j C - P \gg C - C_{\eta} P_{\mu} P e C r P S P r$
 $(P j C_{\eta} P_{\mu} P e) C r P \pm C r P r C h - C_{\eta} P e P e P N_{\Sigma} C \ddagger P^{\circ} C_{\eta}^{\circ} P i C - C_{\eta} P \gg C_{\eta} P i P s C \ddagger P^{\circ} C, P e C r C, P_{\mu} C_{\eta} P^{\circ} P i C - C - C r$
 $P i P^{\circ} C \ddagger C - C^{\circ} P S C, C - P I C - P \cdot P i P s C \ddagger P^{\circ} C, P e P s P I P e P j Q T c F < 500 P j C_{\eta} P_{\mu} P e P r P s P i P s C \ddagger P^{\circ} C, P e C r$
 $C, P_{\mu} C_{\eta} P^{\circ} P i C - C -) C r P i P^{\circ} C \ddagger C - C^{\circ} P S C, C - P I, C_{\eta} P e C - P \gg C - P e C r P I P^{\circ} P \gg P e C_{\eta}^{\circ} C_{\eta}$
 $P s P \gg P^{\circ} P S P \cdot P^{\circ} P i C - P S P s P j, C_{\eta} P i P s C_{\eta}^{\circ} C, P_{\mu} C_{\eta} C - P i P^{\circ} P \gg P s C_{\eta}^{\circ} C_{\eta} P S P_{\mu} C \ddagger P^{\circ} C_{\eta}^{\circ} C, P s (P I C - P r 0,1 \%$
 $P r P s 1 \%). P_{\mu} P s C_{\eta} C - P I P S C_{\eta} P S P s P \cdot P i P \gg P^{\circ} C \ddagger P_{\mu} P \pm P s P S P_{\mu} P I P e C_{\eta} P I P \gg P_{\mu} P S P s P \cdot P S P^{\circ} C \ddagger P S P s C -$
 $C_{\eta} C - P \cdot P S P e C \ddagger C - C r C \ddagger P^{\circ} C_{\eta}^{\circ} C, P s C, C - P^{\circ} C_{\eta}^{\circ} P s C \ddagger C - P N_{\Sigma} P s P I P^{\circ} P S P e C \dots P e P^{\circ} C_{\eta} P r C - P^{\circ} P \gg C h P S P e C \dots$
 $P i P s P \pm C - C \ddagger P S P e C \dots C_{\eta} P_{\mu} P^{\circ} P e C \ddagger C - P N_{\Sigma}. P_h P r P S P^{\circ} P e, C_{\eta} P e C - P i C_{\eta} P e P \gg C - P e C r P I P^{\circ} P S P S C -$
 $C - P S C \epsilon P e P j P e P^{\circ} P S C, P e P i C_{\eta} P e C \dots P s C, P e C \ddagger P S P e P j P e P \cdot P^{\circ} C_{\eta}^{\circ} P s P \pm P^{\circ} P j P e, P i C_{\eta} P e P \cdot P S P^{\circ} C \ddagger P^{\circ} C, P e$
 $P s P \gg P^{\circ} P S P \cdot P^{\circ} P i C - P S C r P e P s P j P \pm C - P S P^{\circ} C \ddagger C - C - P \cdot P i C_{\eta} P_{\mu} P i P^{\circ} C_{\eta} P^{\circ} C, P^{\circ} P j P e, C_{\eta} P e C -$
 $P j P s P \parallel C r C, C h C_{\eta} P i C_{\eta} P e C \ddagger P e P S P e C, P e P i C_{\eta} P s P \gg P s P S P i P^{\circ} C \ddagger C - C_{\eta} C - P S C, P_{\mu} C_{\eta} P I P^{\circ} P \gg C r Q T C_{\eta}^{\circ},$
 $C_{\eta} P \gg C - P r P \cdot P s P \pm P_{\mu} C_{\eta} P_{\mu} P \parallel P S C - C_{\eta}^{\circ} C, C_{\eta}, P s C_{\eta} P s P \pm P \gg P e P I P s P i P^{\circ} C \ddagger C - C^{\circ} P S C, P^{\circ} P j$
 $P \gg C - C, P S C h P s P i P s P I C - P e C r, P i P^{\circ} C \ddagger C - C^{\circ} P S C, P^{\circ} P j C - P \cdot P I C_{\eta} P s P r P \parallel P_{\mu} P S P e P j$
 $C_{\eta} P e P S P r C_{\eta} P s P j P s P j P i C_{\eta} P s P \gg P s P S P i P^{\circ} C \ddagger C - C - C - P S C, P_{\mu} C_{\eta} P I P^{\circ} P \gg C r Q T, P \cdot P^{\circ} C_{\eta}^{\circ} C, C - P N_{\Sigma} P S P s C_{\eta}$
 $C_{\eta} P_{\mu} C_{\eta} C \ddagger P_{\mu} P I P s C_{\eta} P S P_{\mu} P r P s C_{\eta}^{\circ} C, P^{\circ} C, P S C - C_{\eta}^{\circ} C, C_{\eta}, P i C - P i P_{\mu} C_{\eta} C, C_{\eta} P s C, C - C^{\circ} C_{\eta}$
 $C_{\eta} P_{\mu} C_{\eta} C \ddagger C_{\eta}, P i C - P i P s P e P^{\circ} P \gg C - C^{\circ} P j C - C^{\circ} C_{\eta} P^{\circ} P \pm P s P i C - P i P s P j P^{\circ} P i P S P_{\mu} P \cdot C - C^{\circ} P j C - C^{\circ} C_{\eta}.$

$P_j C_{\eta} P s P j P \pm P s P_{\mu} P j P \pm P s P \gg C - C_{\eta}$. $P_k P_{\mu} C \ddagger P^{\circ} C_{\eta}^{\circ} C, P s P i P s P I C - P r P s P j P \gg C_{\eta} P \gg P s C_{\eta}^{\circ} C_{\eta} P i C_{\eta} P s$
 $C, P e P j C \ddagger P^{\circ} C_{\eta}^{\circ} P s P I P e P N_{\Sigma} P \cdot P i B_{\eta}^{\circ} C_{\eta} P \cdot P s P e P j C - P \parallel P \gg C - P e C r P I P^{\circ} P S P S C_{\eta} P j$
 $P s P \gg P^{\circ} P S P \cdot P^{\circ} P i C - P S P s P j C, P^{\circ} P I P e P i P^{\circ} P r P e P^{\circ} P j P e C_{\eta} P s P \cdot P I P e C, P e C r P I P_{\mu} P S P s P \cdot P S P s C -$
 $C, C_{\eta} P s P j P \pm P s P_{\mu} P j P \pm P s P \gg C - C - (\geq 0,1 \% B_{\eta}^{\circ} < 1 \%). P_{\mu} C_{\eta} P e C \ddagger P e P S P S P s -$
 $P S P^{\circ} C_{\eta} P \gg C - P r P e P s P I P s P i P s P \cdot P i B_{\eta}^{\circ} C_{\eta} P \cdot P e C r P j C - P \parallel P \gg C - P e C r P I P^{\circ} P S P S C_{\eta} P j$
 $P s P \gg P^{\circ} P S P \cdot P^{\circ} P i C - P S P s P j C, P^{\circ} C_{\eta} P s P \cdot P I P e C, P e P s P j P I P_{\mu} P S P s P \cdot P S P s C -$
 $C, C_{\eta} P s P j P \pm P s P_{\mu} P j P \pm P s P \gg C - C - P S P_{\mu} P I C_{\eta}^{\circ} C, P^{\circ} P S P s P I P \gg P_{\mu} P S P s. P_h P r P S P^{\circ} P e, P \pm P_{\mu} C_{\eta} C r C \ddagger P e$
 $P r P s C r P I P^{\circ} P i P e C, P_{\mu}, C_{\eta} P s C r P i P^{\circ} C \ddagger C - C^{\circ} P S C, C - P I C - P \cdot C e P e P \cdot P s C, C_{\eta} P_{\mu} P S C - C^{\circ} C_{\eta}$
 $C \ddagger P^{\circ} C_{\eta}^{\circ} C, P s C_{\eta} P s P \cdot P I P e P I P^{\circ} C^{\circ} C, C h C_{\eta}^{\circ} C_{\eta} C_{\eta}^{\circ} C \dots P e P \gg C h P S C - C_{\eta}^{\circ} C, C h P r P s$

C, C₇PsPjP±PsPμPjP±PsP»C-C—, PSPμPsP±C...C-PrPSPs PIC₇P°C...PsPICrPIP°C, Pë C₇C₇C-
PjPsP₇P»PëPIC- C,, P°PeC, PsC₇Pë C₇PëP·PëPeC₇, PSP°P₇C₇PëPeP»P°Pr,
C-PjPjPsP±C-P»C-P·P°C₇C-C₇ P₇P°C₇C-C₇PSC, P°, C, P° PIP₇PëPIP°C, Pë PIC₇C-C...
PSPμPsP±C...C-PrPSPëC... P₇PsP₇μC₇PμPrP₇CrPIP°P»CH₇PSPëC... P·P°C...PsPrC-PI.

P—P°P₇P°P»CH₇PSP° PrC-C₇ PSP° P₇P₇P₇. P₇C₇P°C...PsPIC₇C₇C±Pë P₇μC₇PμPIP°P₇PSPëPN₇
PIP₇P»PëPI PsP»P°PSP·P°P₇C-PSC₇ PSP° P₇P₇P₇, PSPμPsP±C...C-PrPSPs
P₇C₇PsPIP₇PrPëC, Pë PrPsPrP°C, PePsPIC- P·P°C₇C, PμC₇PμP₇PSC- P·P°C...PsPrPë P₇C₇Pë
P₇C₇PëPN₇PsPjC- PsP»P°PSP·P°P₇C-PSC₇ C₇P°P·PsPj P· C-PSCëPëPjPë
P₇C₇PμP₇P°C₇P°C, P°PjPë C₇PμPSC, C₇P°P»CH₇PSPsC— PrC-C—, PIPeP»C₇C±P°C₇C±Pë
PIP₇PëPIP°PSPSC₇ P°P»PePsP₇PsP»C₇. PhP»P°PSP·P°P₇C-PS *in vitro* PIPëC₇PIP»C₇C₇
P°PSC, P°P₇PsPSC-P·Pj PrPs PrPsP₇PjC-PSC₇ C, P° PjPsP₇μ P₇C₇PsC, PëPrC-C₇C, Pë
PμC,, PμPeC, P°Pj P₇C₇C₇PjPëC... C- PSPμP₇C₇C₇PjPëC... P°P₇PsPSC-C₇C, C-PI PrPsP₇PjC-PSC₇.

P·P₇C-P»PμP₇C, PëC±PSC- PSP°P₇P°PrPë. PhP»P°PSP·P°P₇C-PS PSPμPsP±C...C-PrPSPs P·
PsP±PμC₇PμP₇PSC-C₇C, C₇ P·P°C₇C, PsC₇PsPICrPIP°C, Pë P₇P°C₇C-C₇PSC, P°Pj P·
PμP₇C-P»PμP₇C, PëC±PSPëPjPë PSP°P₇P°PrP°PjPë PI P°PSP°PjPSPμP·C- P°P±Ps
P₇P°C₇C-C₇PSC, P°Pj, C±C₇C, P»PëPIPëPj PrPs C,, P°PeC, PsC₇C-PI, C%Ps
P·PSPëP₇CrC₇C, CH₇ P₇PsC₇C-Pi C₇CrPrPsPjPSPsC— P₇PsC, PsPIPSPsC₇C, C-.
P₇μC±P°C₇C, Ps P₇PsPIC-PrPsPjP»C₇P»PsC₇C₇ P₇C₇Ps PIPëP₇P°PrPePë
PμP₇C-P»PμP₇C, PëC±PSPëC... PSP°P₇P°PrC-PI P₇C₇Pë P»C-PeC₇PIP°PSPSC-
PsP»P°PSP·P°P₇C-PSPsPj. Pj P±C-P»CH₇CëPsC₇C, C- C₇PëC... PIPëP₇P°PrPeC-PI P₇P°C₇C-C₇PSC, Pë
PjP°P»Pë PI P°PSP°PjPSPμP·C- PμP₇C-P»PμP₇C, PëC±PSC- PSP°P₇P°PrPë P°P±Ps C₇PëP·PëPe
C—C... PIPëPSPëPePSPμPSPSC₇ P±C₇PI P₇C-PrPIPëC%PμPSPëPN₇.

PμC-P·PSC₇ PrPëC₇PeC-PSPμP·C-C₇. Pj C...PsPrC- P₇PsC₇C-PIPSC₇P»CH₇PSPëC...
PeP»C-PSC-C±PSPëC... PrPsC₇P»C-PrP₇μPSC₇ C, C₇PëPIP°P»C-C₇C, C₇ PrPs PsPrPSPsP₇Ps
C₇PsPeC₇ P₇C₇PëPN₇PsPj PsP»P°PSP·P°P₇C-PSC₇ P°C₇PsC₇C-C₇PIP°PIC₇C₇ P·C-
C₇C, P°C, PëC₇C, PëC±PSPs P·PSP°C±C₇C%PëPj P·PSPëP₇μPSPSC₇Pj C±P°C₇C, PsC, Pë
PIPëPSPëPePSPμPSPSC₇ PrPëC₇PeC-PSPμP·C-C—, C₇P₇C₇PëC±PëPSPμPSPsC—
P»C-PeC₇PIP°PSPSC₇Pj. P₇μC₇PμP· P·C₇PsC₇C, P°C₇C±PëPN₇ C₇PëP·PëPe C₇PsP·PIPëC, PeC₇
P₇C-P·PSC₇PsC— PrPëC₇PeC-PSPμP·C-C— P₇C₇Pë C, C₇PëPIP°P»PsPjC₇ P₇C₇PëPN₇PsPjC-
P°PSC, PëP₇C₇PëC...PsC, PëC±PSPëC... P₇C₇PμP₇P°C₇P°C, C-PI PSPμPsP±C...C-PrPSPμ
C₇P·P₇PsPrP₇μPSPμ P·PSPëP₇μPSPSC₇ PrPsP·Pë P°P±Ps P₇PsPIPSP° PIC-PrPjC-PSP°
P₇C₇PμP₇P°C₇P°C, C₇ P₇C₇Pë P₇PsC₇PIC- C₇ P₇P°C₇C-C₇PSC, P° PsP·PSP°Pe C±Pë
C₇PëPjP₇C, PsPjC-PI P₇C-P·PSC₇PsC— PrPëC₇PeC-PSPμP·C-C—. P— C±P°C₇PsPj C₇C-
C₇PëPjP₇C, PsPjPë PjPsP₇CrC, CH₇ P₇PsP₇C-C₇CëC₇PIP°C, PëC₇CH₇ P°P±Ps PSP°PIC-C, CH₇
P·B₇TM C₇PIP»C₇C, PëC₇C₇ P₇C-C₇P»C₇ P₇C₇PëP₇PëPSPμPSPSC₇ P»C-PeC₇PIP°PSPSC₇.

PhC₇C, PsC₇C, P°C, PëC±PSP° P₇C-P₇PsC, PμPSP·C-C₇. P₇μC±P°C₇C, Ps
P₇PsPIC-PrPsPjP»C₇P»PsC₇C₇ P₇C₇Ps PIPëP₇P°PrPePë PsC₇C, PsC₇C, P°C, PëC±PSPsC—
P₇C-P₇PsC, PμPSP·C-C— C₇ P₇P°C₇C-C₇PSC, C-PI P»C-C, PSC₇PsP₇Ps PIC-PeC₇ PI
C...PsPrC- PeP»C-PSC-C±PSPëC... PrPsC₇P»C-PrP₇μPSC₇. PμC-Pr C±P°C₇
P·P°C₇C, PsC₇CrPIP°PSPSC₇ PsP»P°PSP·P°P₇C-PSC₇ C₇PμPePsPjPμPSP₇CrC₇C, CH₇C₇C₇
P₇μC₇C-PrPëC±PSPμ PIPëPjC-C₇C₇PIP°PSPSC₇ P°C₇C, PμC₇C-P°P»CH₇PSPsP₇Ps C, PëC₇PeC₇
P₇P°C₇C-C₇PSC, P°Pj PIC-PePsPj PIC-Pr 65 C₇PsPeC-PI.B

P P°P₇C, PsPIP° C₇PμC₇C±PμPIP° C₇PjPμC₇C, CH₇. Pj P₇PsC₇C, PjP°C₇PePμC, PëPSP₇PsPIPëC...
P·PIC-C, P°C... P₇PsPIC-PrPsPjP»C₇P»PsC₇C₇ P₇C₇Ps PIPëP₇P°PrPePë C₇P°P₇C, PsPIP₇C—
C₇PμC₇C±PμPIP₇C— C₇PjPμC₇C, C-. P₇C-PrP₇PsPIC-PrPSPs PrPs

PIC-PrPjC-PSPë, CÍPëPjPíC,PsPjPë CÍPePëC... PjPsP¶CíC,CH PiC-CÍP»CÍ
PSP°CíPjPsPrP¶PµPSPSCÍ P·PjC-PSCíPíP°C,PëCÍCÍ P·P° CÍPëP»PsCí C,P°
C,CíPëPíPíP°P»C-CÍC,Cí. PµPsPIC-PrPsPjP»CÍP»Pë PíCíPjPs P°P¶PëC,P°C†C-Cí,
P°CíC,PµCíC-P°P»CHPSCí PiC-PíPµCíC,PµPSP·C-Cí, P°CíC,PµCíC-P°P»CHPSCí
PiC-PíPsC,PµPSP·C-Cí, C,CíPµPjPsCí, CÍPsPSP»PëPIC-CÍC,CH,
CíPµCÍPíC-CíP°P,PsCíPSPëPñ PrPëCÍC,CíPµCÍ-CÍPëPSPíCíPj P°P±Ps CíPjPsP·P»P°Pr
C...P°CíC†CíPíP°PSPSCÍ. PýPsPjCí PSPµPsP±C...C-PrPSPs CíPµC,PµP»CHPSPs
PePsPSC,CíPjPsP»CíPíP°P,Pë CÍC,P°PS PSPsPíPSPSP°CíPjPsPrP¶PµPSPëC....

PµPµCíC-PsPr PiPsPrCíPíP°PSPSCÍ PiCíCíPrPrCí

PµCíPë PrPsCÍP»C-PrP¶PµPSPSC- P·PrPsCíPjPsPíPëC... P¶C-PSPsPe, CÍPeC- PiPsPrCíPíP°P»Pë
PiCíCíPrPrCí, PsP»P°PSP·P°PíC-PS P±CíP»Ps PíPëCÍPíP»PµPSPs Cí PiCíCíPrPSPsPjCí
PjPsP»PsC†C-. PýPµCíPµPrPSCÍ PrPsP·P° PrP»CÍ PSPµPjPsPíP»CÍC,Pë (PjPi/PePi) P±Pµ·
CíPëP·PëPeCí PrP»CÍ PSCíPjPsPíPs PsC†C-PSCíPíP°P»P°CÍCÍ CÍPe 1,8 %
PjP°P,C,PµCíPëPSCíCíPëPsC— PrPsP·Pë (PjPi/PePi). PµP°C†C-C”PSC,PeP°Pj
CíPµPePsPjPµPSPíCíC”C,CHCÍCÍ PSPµ PiPsPrCíPíP°P,Pë PSPµPjPsPíP»CÍC, PiCíCíPrPrCí,
CÍPeC%Ps PíPSPPë PíCíPëPñPjP°CíC,CH PsP»P°PSP·P°PíC-PS.

PµPµCíC,PëP»CHPSC-CÍC,CH

P°PíP»PëPí PSP° C,,PµCíC,PëP»CHPSC-CÍC,CH PSPµPIC-PrPsPjPëPñ.

*P—PrP°P,PSC-CÍC,CH PíPíP»PëPíP°P,Pë PSP° C¶PíPëPrPeC-CÍC,CH CíPµP°PeC†C-C— PíCíPë
PePµCíCíPíP°PSPSC- P°PIC,PsC,CíP°PSCíPíPsCíC,PsPj P°P±Ps C-PSC¶PëPjPë
PjPµC...P°PSC-P·PjP°PjPë.*

P”PsCÍP»C-PrP¶PµPSCí PíPíP»PëPíCí PsP»P°PSP·P°PíC-PSCí PSP° C¶PíPëPrPeC-CÍC,CH
CíPµP°PeC†C-C— PíCíPë PePµCíCíPíP°PSPSC- P°PIC,PsC,CíP°PSCíPíPsCíC,PsPj P°P±Ps
CíPjPsP±PsC,C- P· C-PSC¶PëPjPë PjPµC...P°PSC-P·PjP°PjPë PSPµ PíCíPjPsPíPsPrPëP»Pë.
PíCíPëC-P»CHPePë PsP»P°PSP·P°PíC-PS PjPsP¶Pµ CÍPíCíPëC†PëPSPëC,Pë
CÍPsPSP»PëPIC-CÍC,CH C,P° P·P°PíP°PjPsCíPjPsC†PµPSPSCÍ, PíP°C†C-C”PSC,C-PI CÍP»C-Pr
PíPsPíPµCíPµPrPëC,Pë PíCíPjPs PSPµP±PµP·PíPµPeCí, PíPsPíPñ™ CÍP·P°PSCí P·
PµPeCíPíP»CíP°P,P°C†C-C”Cí PjPµC...P°PSC-P·PjC-PI, Cí C,.C†.
P°PIC,PsC,CíP°PSCíPíPsCíC,PSPëC... P·P°CÍPsP±C-PI.

PýPíPsCíC-P± P·P°CÍC,PsCíCíPíP°PSPSCÍ C,P° PrPsP·Pë.

P”PsCíPjPsCÍP»C-.

*PëPëP·PsC,,CíPµPSC-CÍ. P PµPePsPjPµPSPíPíPíP°PSP° PíPsC†P°P,PePsPíP° PrPsP·P°
PsP»P°PSP·P°PíC-PSCí CÍC,P°PSPsPíPëC,CH 10 PjPi PsPrPëPS CíP°P· PSP° PrPsP±Cí.*

*PíP°PSC-P°PeP°P»CHPSC- PµPíC-P·PsPrPë. P PµPePsPjPµPSPíPíPíP°PSP°
PíPsC†P°P,PePsPíP° PrPsP·P° PsP»P°PSP·P°PíC-PSCí CÍPe PjPsPSPsC,PµCíP°PíC-C—
CÍC,P°PSPsPíPëC,CH 15 PjPi PSP° PrPsP±Cí P°P±Ps 10 PjPi PSP° PrPsP±Cí PíCíPë
PePsPjP±C-PSPsPíP°PSPsPjCí P»C-PeCíPíP°PSPSC- (PrPëPI. CíPjPsP·PrC-P»
B«PµP°CíPjP°PePsP»PsPiC-C†PSC- PíP»P°CÍC,PëPíPsCíC,C-B»).*

*PμCḡPsC,,C-P»P°PeC,PëPeP° PîPsPIC,PsCḡPSPëC... PSP°PîP°PrC-PI Cž PîP°C†C-C''PSC,C-PI P·
P±C-PîPsP»CḡCḡPSPëPjPë CḡPsP·P»P°PrP°PjPë. P PμPePsPjPμPSPPrPsPIP°PSP°
PîPsC±P°C,PePsPIP° PrPsP·P° CḡC,P°PSPsPIPëC,CH 10 PjPi PSP° PrPsP±Cḡ.
PμP°C†C-C''PSC,Pë P· P±C-PîPsP»CḡCḡPSPëPjPë CḡPsP·P»P°PrP°PjPë, CḡPeC-
PsC,CḡPëPjCḡPIP°P»Pë PsP»P°PSP·P°PîC-PS PrP»Cḡ P»C-PeCḡPIP°PSPSCḡ
PjP°PSC-P°PeP°P»CHPSPëC... PμPîC-P·PsPrC-PI, PîCḡPsPrPsPIPḡCḡCḡC,CH
PsC,CḡPëPjCḡPIP°C,Pë PsP»P°PSP·P°PîC-PS Cḡ C,PsPjCḡ Pḡ PrPsP·CḡPIP°PSPSC- C-
PrP»Cḡ PîCḡPsC,,C-P»P°PeC,PëPePë PîPsPIC,PsCḡPSPëC... PSP°PîP°PrC-PI. P—P°
CḡPjPsPIPë CḡPsP·PIPëC,PeCḡ PSPsPIPsiPs PjP°PSC-P°PeP°P»CHPSPsiPs,
PrPμPîCḡPμCḡPëPIPSPsiPs P°P±Ps P·PjC-CëP°PSPsiPs PμPîC-P·PsPrCḡ
P»C-PeCḡPIP°PSPSCḡ PSPμPsP±C...C-PrPSPs PîCḡPsPrPsPIPḡCḡPIP°C,Pë (P·P°
PSPμPsP±C...C-PrPSPsCḡC,C- PsPîC,PëPjC-P·CḡPIP°PICëPë PrPsP·Cḡ) CḡP°P·PsPj C-P·
PîC-PrC,CḡPëPjCḡPIP°P»CHPSPsCḡ C,PμCḡP°PîC-C''Cḡ PrP»Cḡ P»C-PeCḡPIP°PSPSCḡ
CḡPëPjPîC,PsPjC-PI PîPsCḡCḡCëPμPSPSCḡ PSP°CḡC,CḡPsCḡ, CḡPeC%Ps C'' PeP»C-PSC-C±PSP°
PSPμPsP±C...C-PrPSC-CḡC,CH.*

*P>C-PeCžPIP°PSPSCḡ CëPëP·PsC,,CḡPμPSC-C—, PjP°PSC-P°PeP°P»CHPSPëC... PμPîC-P·PsPrC-PI
C,P° PîPsPîPμCḡPμPrPḡPμPSPSCḡ CḡPμC†PëPrPëPIC-PI P±C-PîPsP»CḡCḡPSPsiPs
CḡPsP·P»P°PrCž. P©PsPrPμPSPSCḡ PrPsP·Cḡ PIPëP·PSP°C±P°CḡC,CH PSP°
PîC-PrCḡC,P°PIC- PeP»C-PSC-C±PSPsiPs CḡC,P°C,CḡCḡCḡ PI PrC-P°PîP°P·PsPSC-
PIC-Pr 5 PrPs 20 PjPi PSP° PrPsP±Cḡ. P—P±C-P»CHCëPμPSPSCḡ
CḡPμPePsPjPμPSPPrPsPIP°PSPsC— PîPsC±P°C,PePsPIPsiC— PrPsP·Pë CḡP»C-Pr
PîCḡPsPIPsiPrPëC,Pë P· C-PSC,PμCḡPIP°P»P°PjPë PSPμ PjPμPSCëPμ 24 PîPsPrPëPS
P»PëCëPμ PîC-CḡP»Cḡ PeP»C-PSC-C±PSPsiPs PsP±CḡC,PμPḡPμPSPSCḡ.
PhP»P°PSP·P°PîC-PS PjPsPḡPSP° P·P°CḡC,PsCḡPsPICḡPIP°C,Pë PSPμP·P°P»PμPḡPSPs PIC-Pr
PîCḡPëPNëPsPjCḡ C—PḡC—, PsCḡPeC-P»CHPePë PIPḡPëPIP°PSPSCḡ C—PḡC- PSPμ
PIPîP»PëPIP°C'' PSP° P°P±CḡPsCḡP±C†C-Cḡ PîCḡPμPîP°CḡP°C,Cḡ. PμCḡPë
PIC-PrPjC-PSC- PîCḡPμPîP°CḡP°C,Cḡ P·P°PIPμCḡCëPμPSPSCḡ C,PμCḡP°PîC-C—
PîPsC,CḡC-P±PSPs PîCḡPsPIPsiPrPëC,Pë PîPsCḡC,CḡPîPsPIPsi.*

*PμP°C†C-C''PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCž. PμCḡPëP·PSP°C±PμPSPSCḡ PjPμPSCëPsC—
PîPsC±P°C,PePsPIPsiC— PrPsP·Pë (5 PjPi PSP° PrPsP±Cḡ) P·P°P·PIPëC±P°PNë PSPμ
PîPsC,CḡC-P±PSPμ. PëPμPsP±C...C-PrPSC-CḡC,CH PîCḡPëP·PSP°C±PμPSPSCḡ
PjPμPSCëPsC— PîPsC±P°C,PePsPIPsiC— PrPsP·Pë PîPsC,CḡC-P±PSPs
CḡPsP·PiP»CḡPrP°C,Pë PrP»Cḡ PîP°C†C-C''PSC,C-PI PIC-PePsPj PIC-Pr 65 CḡPsPeC-PI
P·P° PSP°CḡPIPSPsCḡC,C- PeP»C-PSC-C±PSPëC... PîPsPeP°P·P°PSCḡ (PrPëPI.
CḡPsP·PrC-P» B«PhCḡPsP±P»PëPIPsiCḡC,C- P·P°CḡC,PsCḡCḡPIP°PSPSCḡB»).*

*PμP°C†C-C''PSC,Pë P· PSPëCḡPePsPIPsiCḡ C,P°/P°P±Ps PîPμC±C-PSPePsPIPsiCḡ
PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ. PhPμPSCëCḡ PîPsC±P°C,PePsPICḡ PrPsP·Cḡ (5 PjPi PSP°
PrPsP±Cḡ) PjPsPḡPSP° PîCḡPëP·PSP°C±P°C,Pë C,P°PePëPj PîP°C†C-C''PSC,P°Pj. P—P°
PSP°CḡPIPSPsCḡC,C- PîPsPjC-CḡPSPsC— PîPμC±C-PSPePsPIPsiC—
PSPμPrPsCḡC,P°C,PSPsCḡC,C- (C†PëCḡPsP·, PeP»P°CḡPë PSPμPrPsCḡC,P°C,PSPsCḡC,C- Ph
P°P±Ps P' P·P° CëPeP°P»PsCḡ PšP°PNëP»PrP°-PμBḡ™Cḡ) PîPsC±P°C,PePsPIP° PrPsP·P°
PîPsPIPëPSPSP° CḡC,P°PSPsPIPëC,Pë 5 PjPi C- PîC-PrPIPëC%CḡPIP°C,Pë PrPsP·Cḡ
PSPμPsP±C...C-PrPSPs P· PsP±PμCḡPμPḡPSC-CḡC,Cḡ.*

*PμCžCḡC†C-. PμPsCḡPμPeC†C-Cḡ PrPsP·Pë P·P°P»PμPḡPSPs PIC-Pr
PSP°CḡPIPSPsCḡC,C- / PIC-PrCḡCḡC,PSPsCḡC,C- P·PIPëC±PePë PrPs PîP°P»C-PSPSCḡ PSPμ*

ΠΨC, CΨC-P±PSP°.

ΠCρCΨC-PSPSCΠ ΠΨPΠΠ CΓC, ΠΠCρP»CΨPIP°C, Π ΠΠC, P°P±PsP»C-P·Π
PsP»P°PSP·P°ΠC-PSCρ. Π ΠΠΠΠΠΠΠPSPρPsPIP°PSPs Π·ΠC-ΠCΓPSCΨPIP°C, Π
ΠP»C-PSC-C±PSPΠΠ ΠΨPSC-C, PsCΨΠΠPi, C- Cρ CΨP°P·C- PSPΠPsP±C...C-ΠPSPsCΓC, C-
CΓP»C-Π Π·P±C-P»CΨCΠΠC, Π ΠPsP·Cρ PsP»P°PSP·P°ΠC-PSCρ (ΠΠΠΠ. CΨPsP·ΠC-P»
B«Π·P·P°C”ΠΨΠC-CΠ Π· C-PSCΠΠΠΠ Π»C-ΠP°CΨCΓCΨΠΠΠΠ Π·P°CΓPsP±P°ΠΠC, P°
C-PSCΠC- ΠΠΠΠ ΠIP·P°C”ΠΨΠC-ΠΠB»).

ΠΠΠPSCΠCρ ΠΨC±P°C, ΠΠΠΠCρ ΠPsP·Cρ ΠΨPΠPSP° ΠCΨΠΠ·PSP°C±P°C, Π
ΠP°C†C-C”PSC, P°Π Π· ΠΠΠΠΠ±C-PSP°C†C-C”CΨ C,, P°ΠC, PsCΨC-Π (ΠC-PSPsC±P°
CΓC, P°C, CΨ, Π»C-C, PSC-ΠΠ ΠC-Π, ΠC-ΠCΓCρC, PSC-CΓC, CΨ Π·ΠΠC±ΠΠ ΠPs
ΠP°P»C-PSPSCΠ), CΠΠC- ΠΨPΠCρC, CΨ Π·PSPΠCρPIP°C, Π ΠΠC, P°P±PsP»C-P·Π
PsP»P°PSP·P°ΠC-PSCρ. ΠC-ΠΠΠC%ΠΠPSPSCΠ ΠPsP·Π C, P°ΠΠΠ
ΠP°C†C-C”PSC, P°Π, CΠΠC%Π C†Π ΠΨΠΠP°P·P°PSPs, ΠΨC, CΨC-P±PSPs
Π·ΠC-ΠCΓPSCΨPIP°C, Π ΠΨCΓC, CρΠΨΠPs, Π PsP±ΠCΨΠΠPSC-CΓC, CΨ (ΠΠΠΠ.
CΨPsP·ΠC-P»Π B«Π·P·P°C”ΠΨΠC-CΠ Π· C-PSCΠΠΠΠ Π»C-ΠP°CΨCΓCΨΠΠΠΠ
Π·P°CΓPsP±P°ΠΠC, P° C-PSCΠC- ΠΠΠΠ ΠIP·P°C”ΠΨΠC-ΠΠB» C, P°
B«ΠP°CΨΠΠΠΠΠPsP»PsΠC-C±PSC- ΠP»P°CΓC, ΠΠΠCΓC, C-B»).

P”C-C, Π.

Π—P°CΓC, PsCΓCρPIP°PSPSCΠ PsP»P°PSP·P°ΠC-PSCρ ΠC-C, CΠΠ C, P°
ΠC-ΠP»C-C, ΠP°Π (ΠC-ΠΠΠ ΠPs 18 CΨPsΠC-Π) PSPΠ
CΨΠΠΠΠΠPSPρPsPIP°PSPΠ Cρ Π·ΠBΨ™ CΠΠ·ΠCρ Π· PSPΠΠPsCΓC, P°C, PSC-CΓC, CΨ
ΠP°PSPΠC... Π· P±ΠΠ·ΠΠΠΠC, P° ΠC,, ΠΠΠC, ΠΠPSPsCΓC, C-. Π C...PsΠC-
ΠΠCΨPsC, ΠΠCΓC, CΨPsΠΠΠΠC... ΠPsCΓP»C-ΠPΠΠPSCΨ Cρ ΠP°C†C-C”PSC, C-Π
ΠC-ΠP»C-C, ΠΠΠΠPsΠPs ΠC-ΠCρ ΠC-ΠP·PSP°C±P°P»PsCΓC Π·P±C-P»CΨCΠΠPSPSCΠ
ΠP°CΓΠC, C-C-P°P, Π·ΠC-PSP ΠC-ΠPSC-Π ΠCΨPsP»P°ΠC, ΠPSCρ C, P° Π»C-ΠC-ΠC-Π
ΠΨCΨC-ΠPSCΠPSPs Π· ΠPsCΨPsCΓP»ΠΠΠ (ΠΠΠΠ. CΨPsP·ΠC-P»Π
B«ΠCΓPsP±P»ΠΠPSCΓC, C- Π·P°CΓC, PsCΓCρPIP°PSPSCΠB», B«ΠPsP±C-C±PSC-
CΨΠP°ΠC†C-C—B» C, P° B«ΠP°CΨΠΠΠΠΠPsP»PsΠC-C±PSC- ΠP»P°CΓC, ΠΠPSCΓC, C-B»).

ΠΠΠCΨΠΠΠPsP·CζPIP°PSPSCΠ.

ΠΨΠΠΠC, PsΠΠ. P”CρΠΠ ΠΨCΠΠCΨΠPSC- (> 10 % ΠΠΠΠΠΠΠΠC-Π) BΨ”
C, P°C...C-ΠP°CΨΠC-Π, P°ΠΠC, P°C†C-Π / P°ΠCΨΠCΓΠΠPSC-CΓC, CΨ,
ΠΠΠ·P°CΨC, CΨC-Π, CΨC-P·PSC- ΠΠCΓC, CΨP°ΠC-CΨP°ΠC-ΠPSC- CΓΠΠΠC, PsΠΠC, P°
Π·PSPΠΠΠPSPΠΠ CΨC-ΠΠPSCΨ CΓΠC-ΠPsΠPsCΓC, C-, C%Π ΠP°CΨC-CΨC”C, CΨCΓC
ΠC-Π CΓΠΠP°C†C-C— ΠPs ΠΠΠΠ.

Π†PSCΠΠΠΠ Π·PSP°C±PSPΠΠ CρCΓΠP»P°ΠPSPΠPSPSCΠΠΠ ΠΠCΨΠΠΠPsP·CρPIP°PSPSCΠ
C” ΠΠΠP»C-CΨC-ΠΠ, CΓCρΠPsΠΠ, ΠΠΠP°, ΠΨPΠP»ΠΠC-CΓC, CΨ CΨPsP·ΠΠC, ΠCρ
PSPΠΠCΨPsP»ΠΠC, ΠC±PSPsΠPs Π·P»PsCΠΠC-CΓPSPsΠPs CΓΠPSPρCΨPsΠCρ,
ΠCΨΠΠPSC-C±ΠPSPSCΠ ΠΠC...P°PSPSCΠ, P°CΓΠC-CΨP°C†C-Π,
P°CΨC, ΠCΨC-P°P»CΨPSP° ΠC-ΠΠCΨC, ΠPSP·C-Π P°P±Ps ΠC-ΠΨC, ΠPSP·C-Π,
CΓΠCΨC†ΠΠP° P°CΨΠC, ΠC-Π (< 2 % ΠΠΠΠΠΠΠΠC-Π ΠΠCΨΠΠΠPsP·CρPIP°PSPSCΠ) C, P°

PeP°CḡPrC-PsPĩCfP»CHbPjPsPSP°P»CHbPSPëPNᵇ CẼPsPe. P>PμC,P°P»CHbPSC- PSP°CfP»C-PrPePë
PIC-PrP·PSP°C‡P°P»PëCfCḡ PĩCḡPë PiPsCfC,CḡPsPjCf PĩPμCḡPμPrPsP·CfPIP°PSPSC- PSP°
CḡC-PIPSC- 450 PjPi, P°P»Pμ P±CfP»Pë PNᵇ PIPëPĩP°PrPePë PIPëP¶PëPIP°PSPSCḡ PĩC-CfP»Cḡ
PiPsCfC,CḡPsPiPs PĩPμCḡPμPrPsP·CfPIP°PSPSCḡ PĩC-CfP»Cḡ PĩCḡPëPNᵇPsPjCf

2 Pi PsP»P°PSP·P°PĩC-PSCf PĩPμCḡPsCḡP°P»CHbPSPs.

P>C-PeCáPIP°PSPSCḡ. PŸPĩPμC†PëC,,C-C‡PSPëPNᵇ P°PSC,PëPrPsC, PsP»P°PSP·P°PĩC-PSCf
PIC-PrCfCfC,PSC-PNᵇ. PkPμ CḡPμPePsPjPμPSPPrCfCḡC,CHbCfCḡ PĩCḡPμPĩP°CḡP°C,Pë, C%ᵇPs
CfPĩCḡPëC‡PëPSCḡCḡC,CHb P±P»CHbPIP°PSPSCḡ. P PμPePsPjPμPSPPrPsPIP°PSPs
CfC,P°PSPPr°CḡC,PSC- PĩCḡPsC†PμPrCfCḡPë PĩCḡPë PĩPμCḡPμPrPsP·CfPIP°PSPSC-
(PSP°PĩCḡPëPeP»P°Pr PĩCḡPsPjPëPIP°PSPSCḡ CẼP»CfPSPeP°, PĩCḡPëPNᵇPsPj
P°PeC,PëPIPsPIP°PSPsPiPs PICfPiC-P»P»Cḡ). P' CfP»Ps PIPëCḡPIP»PμPSPs, C%ᵇPs
CfCfPiCfC,PSC-PNᵇ PĩCḡPëPNᵇPsPj P°PeC,PëPIPsPIP°PSPsPiPs PICfPiC-P»P»Cḡ P·PjPμPSC€CfC"
P±C-PsPrPsCfC,CfPĩPSC-CfC,CHb PsP»P°PSP·P°PĩC-PSCf PĩCḡPë PĩPμCḡPsCḡP°P»CHbPSPsPjCf
PĩCḡPëPNᵇPsPjC- PSP° 50-60 %.

P'C-PrPĩPsPIC-PrPSPs PrPs PeP»C-PSC-C‡PSPëC... PĩCḡPsCḡPIC-PI CfP»C-Pr
PSP°P»P°PiPsPrPëC,Pë CfPëPjPiC,PsPjP°C,PëC‡PSPμ P»C-PeCfPIP°PSPSCḡ C,P°
PjPsPSC-C,PsCḡPëPSPi P¶PëC,C,C"PIPs PIP°P¶P»PëPIPëC... C,,CfPSPeC†C-PNᵇ,
PIPeP»CḡC‡P°CḡC‡Pë P»C-PeCfPIP°PSPSCḡ P°CḡC,PμCḡC-P°P»CHbPSPsC—
PiC-PĩPsC,PμPSP·C-C— C,P° C†PëCḡPeCfP»CḡC,PsCḡPSPsC— PSPμPrPsCfC,P°C,PSPsCfC,C-, P°
C,P°PePsP¶ PĩC-PrC,CḡPëPjP°PSPSCḡ PrPëC...P°PSPSCḡ. PkPμ CfP»C-Pr
P·P°CfC,PsCfPsPICfPIP°C,Pë PμPiC-PSPμC,,CḡPëPS, PrPsPĩP°PjC-PS C,P° C-PSC€C-
CfPëPjPĩP°C,PsPjC-PjPμC,PëPePë P· PrC-C"ḡC, C...P°CḡP°PeC,PμCḡPSPsCḡ PrP»Cḡ P±PμC,P°-
P°PiPsPSC-CfC,C-PI, PsCfPeC-P»CHbPePë P±PμC,P°-CfC,PëPjCfP»CḡC†C-Cḡ PjPsP¶Pμ
PĩPsPiC-CḡC€PëC,Pë PĩCḡPsCḡPIPë PiC-PĩPsC,PsPSC-C—. P" P»Cḡ PIPëCḡPIP»PμPSPSCḡ
PjPsP¶P»PëPIPëC... P°CḡPëC,PjC-PNᵇ PSPμPsP±C...C-PrPSPëPNᵇ PjPsPSC-C,PsCḡPëPSPi
CfPμCḡC†PμPIPs-CfCfPrPëPSPSPsC— CfPëCfC,PμPjPë. P PμC,PμP»CHbPSPëPNᵇ
PjPμPrPëC‡PSPëPNᵇ PSP°PiP»CḡPr C,P° PjPsPSC-C,PsCḡPëPSPi PĩPsPIPëPSPμPS C,CḡPëPIP°C,Pë
PrPs PĩPsPIPSPsPiPs PsPrCfP¶P°PSPSCḡ PĩP°C†C-C"ḡPSC,P°.

PμPsP±C-C‡PSC- CḡPμP°PeC†C-C—.

PᵇPsCḡPsC,PePëPNᵇ PsPĩPëCf PĩCḡPsC,,C-P»Cḡ P±PμP·PĩPμPePë

P"PsCḡPsCfP»C-

PkP°PNᵇC‡P°CfC,C-CẼPëPjPë PĩPsP±C-C‡PSPëPjPë CḡPμP°PeC†C-CḡPjPë
(CfPĩPsCfC,PμCḡC-PiP°P»PëCfCḡ Cf ≥ 1 % PĩP°C†C-C"ḡPSC,C-PI),
PĩPsPIbḡ™ CḡP·P°PSPëPjPë C-P· P·P°CfC,PsCfCfPIP°PSPSCḡPj PsP»P°PSP·P°PĩC-PSCf PI
C...PsPrC- PeP»C-PSC-C‡PSPëC... PrPsCfP»C-PrP¶PμPSCḡ, P±CfP»Pë C,P°PeC-:
CfPsPSP»PëPIC-CfC,CHb, P·P±C-P»CHbC€PμPSPSCḡ PjP°CfPë C,C-P»P°,
PμPsP·PëPSPsC,,C-P»C-Cḡ, PĩC-PrPIPëC%ᵇPμPSPSCḡ CḡC-PIPSC-PI
PĩCḡPsP»P°PeC,PëPSCf, C...PsP»PμCfC,PμCḡPsP»Cf (C...PsP»PμCfC,PμCḡPëPSCf),
PiP»CḡPePsP·Pë C,P° C,CḡPëPiP»C-C†PμCḡPëPrC-PI Cf PeCḡPsPIC- (PrPëPI.
CḡPsP·PrC-P» B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCḡPj»),
PiP»CḡPePsP·CfCḡC-Cḡ, PĩC-PrPIPëC%ᵇPμPSPSCḡ P°PĩPμC,PëC,Cf,
P·P°PĩP°PjPsCḡPsC‡PμPSPSCḡ, P°PeP°C,PëP·C-Cḡ, PĩP°CḡPeC-PSCfPsPSC-P·Pj,

	P ⁺ PeCfP ⁺ PePiPe	P ⁺ PuP ⁺ PeCfC-C- C ⁺ PIC-C,P ⁺ PsCfCfC,P ⁺ PePiPsCfC,C-,P ⁺ P ⁺ PsPiPiCfC-C-CU	P ⁺ PePiPrP ⁺ PeP ⁺ PiPiPSC,P ⁺ PsPSP ⁺ CfP ⁺ P ⁺ PeCfC-CU P ⁺ P ⁺ PsP ⁺ PePSC,C-P ⁺ C-C ⁺ CF C,P ⁺ CfP ⁺ PeCfC,PiPiP ⁺ PjP ⁺ Pe (DRESS)
P- P ⁺ PsPeCf PeC-CfC,PePsPiPs-PjP ⁺ CUP-PsPiPsC- C ⁺ PeCfC,PiPiP ⁺ Pe C,P ⁺ CfPiPsP-CfCfPSPsC- C,PeP ⁺ PSP ⁺ PePSP ⁺	P ⁺ PeCfC,CfP ⁺ P ⁺ PiC-CU ¹	P ⁺ P ⁺ PrPsPjC-PsP ⁺ C-P ⁺ ¹¹	
P- P ⁺ PsPeCf PSP ⁺ PeCfP ⁺ PsPe C,P ⁺ CfPiPsP ⁺ PeP ⁺ PrC-P ⁺ ChPSPsC- C ⁺ PeCfC,PiPiP ⁺ Pe	P ⁺ PePiC,CfP ⁺ PePiP ⁺ PSPSCU C ⁺ PiCfC-, P ⁺ P ⁺ C,CfP ⁺ PePiP ⁺ Pe ⁺ CfP ⁺ PeC-, CfC,CfP ⁺ PrPSP ⁺ PSP ⁺ CfP ⁺ ChP ⁺ PePiP ⁺ PeCfCfP ⁺ PeP ⁺ PSPSCU ¹¹		
P- P ⁺ PsPeCf ChP ⁺ PiCfP ⁺ PsPrCfPeC,PePiPSPsC- C ⁺ PeCfC,PiPiP ⁺ Pe C,P ⁺ PiPsP ⁺ PsCfPSP ⁺ C..., P ⁺ P ⁺ P ⁺ PsP ⁺	P ⁺ CfP ⁺ PeC,PeP ⁺ ChPSP ⁺ PrP ⁺ PeCfC,CfPSP ⁺ PeCfC-CU Cf C ⁺ PsP ⁺ PsPIC-PeC-Pi, P ⁺ PSP ⁺ PeP ⁺ PiPSPSCU P ⁺ C-P ⁺ C-PrPs C ⁺ P ⁺ IC-PSPsPe C,P ⁺ C ⁺ PsP ⁺ PsPIC-PeC-Pi	P ⁺ PePiP ⁺ PSPsCfP ⁺ CU, P ⁺ P ⁺ C-P ⁺ ChC ⁺ PePiPSPSCU P ⁺ CfP ⁺ PrP ⁺ PiP ⁺ Pe, P ⁺ P ⁺ P ⁺ PeC,PsCfP ⁺ CU Cf P ⁺ IC-PSPsPe P ⁺ IC-PSPiPePsPj ⁺ CfC,C-CU/P ⁺ P ⁺ C-P ⁺ ChC ⁺ PePiPSPSCU P ⁺ CfP ⁺ PrP ⁺ PiP ⁺ Pe Cf C ⁺ PsP ⁺ PsPIC-PeC-Pi	PuCfC-P ⁺ PiC-P ⁺ Pj ⁺ ¹²
P-P ⁺ PiP ⁺ P ⁺ ChPSC- ChP ⁺ PsP ⁺ P ⁺ PrP ⁺ Pe C,P ⁺ PsCfP ⁺ PsP ⁺ PePiPsCfC,C- P ⁺ P ⁺ CfC,PsCfCfP ⁺ PSPSCU	P ⁺ PeCfC,PuPSC-CU, P ⁺ IC,PsPjP ⁺ ChP ⁺ PSP ⁺ CfC-CfC,Ch, PSP ⁺ P ⁺ CfP ⁺ PeP ⁺ , P ⁺ IC-ChP ⁺ PeCfC-CU ¹⁰		
P ⁺ PsCfP ⁺ C-PrP ⁺ PiPSPSCU	PuC-PrPiP ⁺ PeC ⁺ PuPSPSCU C ⁺ ChC-PIPSCU P ⁺ P ⁺ PeP ⁺ P ⁺ C-PS- C,PsCfC,P ⁺ C,P ⁺ P ⁺ Pe ¹⁰ , P ⁺ IC-PrPiP ⁺ PeC ⁺ PuPSPSCU P ⁺ ChC ⁺ PuP ⁺ C,PePSC,PsCfC,PsPeC-PS ⁺ P ⁺ Pe ¹¹ , P ⁺ IC-PrPiP ⁺ PeC ⁺ PuPSPSCU C ⁺ ChC-PIPSCU P ⁺ P ⁺ PiP ⁺ PiP ⁺ CfC,P ⁺ PjC-P ⁺ C,ChP ⁺ PSfC,C ⁺ PuCfP ⁺ P ⁺ Pe ¹⁰ , P ⁺ IC-PrPiP ⁺ PeC ⁺ PuPSPSCU C ⁺ ChC-PIPSCU CfP ⁺ ChP ⁺ PSfC- PeP ⁺ CfP ⁺ PsC,Pe ¹⁰	PuC-PrPiP ⁺ PeC ⁺ PuPSPSCU P ⁺ P ⁺ PiP ⁺ P ⁺ ChPSPsPiPs P ⁺ C-P ⁺ C-CfP ⁺ PeC-PSCf	
P ⁺ P ⁺ PiC-C,PS-CfC,Ch, P ⁺ IC-CfP ⁺ CUCfP ⁺ PrPsPiP ⁺ PeP ⁺ C,P ⁺ PiPiCfP ⁺ PePSP ⁺ C,P ⁺ P ⁺ ChPSP ⁺ PeP ⁺ PiPiCfC-PsPr			P ⁺ PeP ⁺ PSPrCfP ⁺ PsPj P ⁺ IC-PrPjC-PSP ⁺ Cf P ⁺ SPsPiPsPSP ⁺ CfP ⁺ PrP ⁺ PeP ⁺ C... (PrP ⁺ PeP ⁺ C ⁺ PsP ⁺ PrC-P ⁺ B ⁺ P ⁺ -P ⁺ CfC,PsCfCfP ⁺ PSPSCU Cf P ⁺ PePiCfC-PsPr P ⁺ P ⁺ PeC-C,PSPsCfC,C- P ⁺ P ⁺ Ps P ⁺ PSPrCfP ⁺ PSPSCU P ⁺ CfP ⁺ PrP ⁺ ChB ⁺)

¹ P⁺PeP⁺C-PSC-C⁺PSPs P⁺PSP⁺C⁺CfC⁺°°P⁺ P⁺P⁺C-P⁺ChC⁺PePiPSPSCU PjP⁺CfP⁺Pe C,C-P⁺P⁺CfPiPsCfC,PuCfC-PiP⁺P⁺PsCfC⁺PI C⁺CfC⁺-C... PeP⁺C,PuPiPsCfC-PN⁺ PiP⁺C⁺C-C⁺PSC,C-PI P⁺P⁺PrP⁺PeP⁺ (C-PSPrP⁺PeCf PjP⁺CfP⁺Pe C,C-P⁺P⁺). PuC-CfP⁺CU PePsCfP⁺PsC,PePsC⁺P⁺CfPSPsPiPs P⁺C-P⁺PeCfP⁺PSPSCU (CfP⁺CU P⁺PrPSCU C,CfP⁺PeP⁺P⁺C-CfC,Ch C⁺C,P⁺PSPsPiP⁺PeP⁺P⁺ 47 PrPSC-PI) P⁺P⁺C-P⁺ChC⁺PePiPSPSCU PjP⁺CfP⁺Pe C,C-P⁺P⁺PSP⁺ ≥ 7 % C⁺PiPsCfC,PuCfC-PiP⁺P⁺PsCfC⁺ PrC⁺P⁺CU C⁺P⁺CfC,Ps (22,2 % PIP⁺PeP⁺PrPeC-PI), ≥ 15 % C⁺PiPsCfC,PuCfC-PiP⁺P⁺PsCfC⁺ C⁺P⁺CfC,Ps (4,2 % PIP⁺PeP⁺PrPeC-PI), ≥ 25 % C⁺PiPsCfC,PuCfC-PiP⁺P⁺PsCfC⁺ PSP⁺C⁺P⁺CfC,Ps (0,8 % PIP⁺PeP⁺PrPeC-PI). Pj PiP⁺C⁺C-C⁺PSC,C-PI, CU PeC- PsC,CfP⁺PePjCfP⁺P⁺Pe C,CfP⁺PeP⁺P⁺C⁺C,PuCfP⁺P⁺PeC-CH (PiCfP⁺PePSP⁺PN⁺PjPSC- PiCfP⁺PsC,CfPiPsPj 48 C,PeP⁺PIPSC-PI), P⁺P⁺C-P⁺ChC⁺PePiPSPSCU PjP⁺CfP⁺Pe C,C-P⁺P⁺PSP⁺ ≥ 7 %, ≥ 15 %, ≥ 25 % C⁺PiPsCfC,PuCfC-PiP⁺P⁺PsCfC⁺ PrC⁺P⁺CU C⁺P⁺CfC,Ps (C⁺ 64,4 %, 31,7 %, 12,3 % PIP⁺PeP⁺PrPeC-PI PIC-PrPiPsPIC-PrPSPs).

² P⁺PePiCfP⁺PrPSC- PiC-PrPiP⁺PeC⁺PuPSPSCU C⁺ChC-PIPSCU P⁺C-PiC-PrC-PI PSP⁺C,C⁺Pu (P⁺P⁺PiP⁺P⁺ChPSP⁺PeP⁺ C...PsP⁺PuCfC,PuCfP⁺PsP⁺), P⁺P⁺PeP⁺© C- C,CfP⁺PePiP⁺C-C⁺PuCfP⁺PeP⁺PrP⁺Pe) P⁺C⁺P⁺Pe P⁺C-P⁺ChC⁺Pe P⁺PSP⁺C⁺PSC- C⁺ PiP⁺C⁺C-C⁺PSC,C-PI, C⁺ CU PeP⁺PeC... C⁺PiPsC⁺P⁺C,PeCf PSP⁺ C⁺PiPsCfC,PuCfC-PiP⁺P⁺PsCfC⁺ PiPsCfC⁺C⁺PePiPSC⁺ PsP⁺PjC-PSC⁺ P⁺C-PiC-PrC-PI.

³ P⁺PePiPsCfC,PuCfC-PiP⁺P⁺PsCfC⁺ C⁺ PiP⁺C⁺C-C⁺PSC,C-PI P⁺ PSPsCfPjP⁺P⁺ChPSP⁺PePj PiPsC⁺P⁺C,PePsPiP⁺PePj C⁺ChC-PIPSP⁺Pj PSP⁺C,C⁺Pu (< 5,17 PjPjPsP⁺ChP/P⁺), CU PeP⁺PeP⁺ PiC-PrPiP⁺PeC⁺C⁺PiP⁺PIC⁺C⁺ PrPs PIP⁺C⁺PsPePsPiPs (≥ 6,2 PjPjPsP⁺ChP/P⁺). P⁺C⁺P⁺CU C⁺P⁺CfC,Ps PiPsPIC-PrPsPjP⁺C⁺CU P⁺PsCfC⁺ PiCfP⁺Ps C⁺ChC-P⁺PeP⁺ PiC-PrPiP⁺PeC⁺PuPSPSCU C⁺ChC-PIPSCU P⁺P⁺PiP⁺P⁺ChPSPsPiPsB C...PsP⁺PuCfC,PuCfP⁺PsP⁺C⁺ PSP⁺C,C⁺Pu P⁺ PiPsC⁺P⁺C,PePsPiPsPiPs C⁺ChC-PIPSCU (≥ 5,17 - < 6,2 PjPjPsP⁺ChP/P⁺) PrPs PIP⁺C⁺PsPePsPiPs C⁺ChC-PIPSCU (≥ 6,2 PjPjPsP⁺ChP/P⁺).

⁴ P⁺PePiPsCfC,PuCfC-PiP⁺P⁺PsCfC⁺ C⁺ PiP⁺C⁺C-C⁺PSC,C-PI P⁺ PSPsCfPjP⁺P⁺ChPSP⁺PePj PiPsC⁺P⁺C,PePsPiP⁺PePj C⁺ChC-PIPSP⁺Pj PSP⁺C,C⁺Pu (< 5,56 PjPjPsP⁺ChP/P⁺), CU PeP⁺PeP⁺ PiC-PrPiP⁺PeC⁺C⁺PiP⁺PIC⁺C⁺ PrPs PIP⁺C⁺PsPePsPiPs (≥ 7 PjPjPsP⁺ChP/P⁺). P⁺C⁺P⁺CU C⁺P⁺CfC,Ps PiPsPIC-PrPsPjP⁺C⁺CU P⁺PsCfC⁺ PiCfP⁺Ps C⁺ChC-P⁺PeP⁺ PiC-PrPiP⁺PeC⁺PuPSPSCU C⁺ChC-PIPSCU PiP⁺ChP⁺PePsP⁺Pe PSP⁺C,C⁺Pu P⁺ PiPsC⁺P⁺C,PePsPiPsPiPs C⁺ChC-PIPSCU (≥ 5,56 - < 7 PjPjPsP⁺ChP/P⁺) PrPs PIP⁺C⁺PsPePsPiPs C⁺ChC-PIPSCU (≥ 7 PjPjPsP⁺ChP/P⁺).

⁵ PŸPİPsCİC, PµCĤC-PİP°P»PsCİCİ Cı PİP°C†C-C”PSC, C-PI P·PSPsCĤPjP°P»CHbPSPëPj PİPsC†P°C, PePsPIPëPj CĤC-PIPSµPj PSP°C, C%oPµ (<1,69 PjPjPsP»CHb/P»), CİPePëPnë PİC-PrPIPëC%oCıPIP°PICİCİ PrPs PIPëCİPsPePsPiPs (≥ 2,26 PjPjPsP»CHb/P»). P”CıP¶Pµ C†P°CİC, Ps PİPsPIC-PrPsPjP»CİP»Pë PİCĤPs CĤC-P·PePµ PİC-PrPIPëC%oPµPSPSCİ CĤC-PIPSCİ C, CĤPëPİP»C-C†PµCĤPëPrC-PI PSP°C, C%oPµ P·PİPsC†P°C, PePsPIPpsPiPs CĤC-PIPSCİ (≥ 1,69 - < 2,26 PjPjPsP»CHb/P») PrPs PIPëCİPsPePsPiPs CĤC-PIPSCİ (≥ 2,26 PjPjPsP»CHb/P»).

⁶ PµC-Pr C†P°Cİ PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSCH C†P°CİC, PsC, P° PIPëPSPëPePSPµPSPSCİ PİP°CĤPeC-PSCİPsPSC-P·PjCı C- PrPëCİC, PsPSC-C— Cı PİP°C†C-C”PSC, C-PI, CİPeC- PsC, CĤPëPjCıCĤC, CHb P»C-PeCıPIP°PSPSCİ PsP»P°PSP·P°PİC-PSPsPj, P±CıP»P° PIPëC%oP°, PSC-P¶ Cı C...PsPrC- PrPsCİP»C-PrP¶PµPSCH PİP»P°C†PµP±Ps, P°P»Pµ PeP»C-PSC-C†PSPs PSPµP·PSP°C†PSPs. P§P°CİC, PsC, P° PIPëPSPëPePSPµPSPSCİ PİP°CĤPeC-PSCİPsPSC-P·PjCı, P°PeP°C, PëP·C-C— C- PrPëCİC, PsPSC-C— Cı PİP°C†C-C”PSC, C-PI, CİPeC- PsC, CĤPëPjCıCĤC, CHb P»C-PeCıPIP°PSPSCİ PsP»P°PSP·P°PİC-PSPsPj, P±CıP»P° PSPëP¶C†P°, PSC-P¶ PİCĤPë P·P°CİC, PsCİCıPIP°PSPSC- C, PëC, CĤPsPIP°PSPëC... PrPsP· PİP°P»PsPİPµCĤPëPrPsP»Cı. P§PµCĤPµP· PIC-PrCİCıC, PSC-CİC, CHb C-PSC, PsCĤPjP°C†C-C— PİCĤPs PSP°CİPIPSC-CİC, CHb PI P°PSP°PjPSPµP·C- PİPsCİC, CĤPëC... P°P±Ps PİC-P·PSC-C... PµPeCİC, CĤP°PİC-CĤP°PjC-PrP°P»CHbPSPëC... CĤCıC...PsPIPëC... PİPsCĤCıCεPµPSCH PSPµ PjPsP¶PSP° PICİC, P°PSPsPIPëC, Pë, C%oPs PsP»P°PSP·P°PİC-PS PjPµPSCεPµ CİPİCĤPëC†PëPSCİC” PİC-P·PSCĤ PrPëCİPeC-PSPµP·C-CĤ C, P°/P°P±Ps C-PSCεC- PİC-P·PSC- PµPeCİC, CĤP°PİC-CĤP°PjC-PrP°P»CHbPSC- CİPëPSPrCĤPsPjPë.

⁷ Pj PIPëPİP°PrPeCı CĤC-P·PePsPiPs PİCĤPëPİPëPSPµPSPSCİ C, PµCĤP°PİC-C— PsP»P°PSP·P°PİC-PSPsPj PİPsPIC-PrPsPjP»CİP»Pë PİCĤPs PİPsCİC, CĤC- CİPëPjPİC, PsPjPë: PİC-PrPIPëC%oPµPSPµ PİPsC, PsPIPëPrC-P»PµPSPSCİ, P±PµP·CİPsPSPSCİ, C, CĤPµPjPsCĤ, P°P¶PëC, P°C†C-CĤ, PSCıPrPsC, Cı C- P±P»CĤPIP°PSPSCİ.

⁸ Pj C...PsPrC- PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSCH (PrPs 12 C, PëP¶PSC-PI) PIPëP·PSP°C†PµPSPs, C%oPs PePsPSC†PµPSC, CĤP°C†C-Cİ PİCĤPsP»P°PeC, PëPSCı Cı PİP»P°P·PjC- PeCĤPsPIC- PİPµCĤPµPIPëC%oCıPIP°P»P° PIPµCĤC...PSC-PNë P»C-PjC-C, PSPsCĤPjPë Cı 30 % PİP°C†C-C”PSC, C-PI, CİPeC- P·P°CİC, PsCİPsPICıPIP°P»Pë PsP»P°PSP·P°PİC-PS. Pj P±C-P»CHbCεPsCİC, C- PİP°C†C-C”PSC, C-PI C, P°PePµ PİC-PrPIPëC%oPµPSPSCİ P±CıP»Ps PİPsPjC-CĤPSPëPj C- P·P°P»PëCεP°P»PsCİCİ Cı PjPµP¶P°C... P·PSP°C†PµPSCH, Cı PrPIP° CĤP°P·Pë PSPëP¶C†PëC... PIC-Pr PIPµCĤC...PSCHbPsPiPs CĤC-PIPSCİ PSPsCĤPjPë.

⁹ PµPsP±C-C†PSC- CĤPµP°PeC†C-C— PIPëP·PSP°C†PµPSPs PI CĤPµP·CıP»CHbC, P°C, C- PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSCH PI C-PSC, PµPİCĤPsPIP°PSC-PNë P±P°P·C- PrP°PSPëC... PsP»P°PSP·P°PİC-PSCı.

¹⁰ PhC†C-PSPeP° PIPëPjC-CĤCİPSPëC... P·PSP°C†PµPSCH PIPëP·PSP°C†PµPSP° PI CĤPµP·CıP»CHbC, P°C, C- PeP»C-PSC-C†PSPëC... PrPsCİP»C-PrP¶PµPSCH PI C-PSC, PµPİCĤPsPIP°PSC-PNë P±P°P·C- PrP°PSPëC... PsP»P°PSP·P°PİC-PSCı.

¹¹ PµPsP±C-C†PSC- CĤPµP°PeC†C-C— PIPëP·PSP°C†PµPSPs P·C- CİPİPsPSC, P°PSPSPëC... PİPsCİC, PjP°CĤPePµC, PëPSPİPsPIPëC... P·PIC-C, C-PI P· PİPµCĤC-PsPrPëC†PSC-CİC, CĤ, C%oPs PICİC, P°PSPsPIP»PµPSP° PSP° PsCİPSPsPIC- C-PSC, PµPİCĤPsPIP°PSPsC— P±P°P·Pë PrP°PSPëC... PsP»P°PSP·P°PİC-PSCı.

12 P_μPsP±C-C≠PSC- C₇H_μP^oPeC†C-C— PIPëP·PSP°C≠P_μPSPs P·C- C†P_iPsPSC,P°PSPSPëC... P_iPsC†C,PjP°C₇PeP_μC,PëPSPiPsPIPëC... P·PIC-C,C-PI P· P_iP_μC₇C-PsPrPëC≠PSC-C†C,C₇, C%_oPs PsC†C-PSP_μPSP° P· PIPëPePsC₇PëC†C,P°PSPSC_μPj PrPsPIC-C₇C≠PsPiPs C-PSC,P_μC₇PIP°P»C† PI PIP_μC₇C...PSC₇PsPjC† P»C-PjC-C,C- PSPSc₇PjPë (95 %) PsC†PSPsPIC- C-PSC,P_μPiC₇PsPIP°PSPsC— P±P°P·Pë PrP°PSPëC... PsP»P°PSP·P°PiC-PSC†.

P'PiP»PëPI PiC₇Pë PrPsPIPiPsC,C₇PëPIP°P»PsPjC† P·P°C†C,PsC†C†PIP°PSPSC- (PSP_μ PjP_μPSC€P_μ 48 C,PëP¶PSC-PI). P'C-PrC†PsC,PsPe P_iP°C†C-C"°PSC,C-PI, C† C_μPePëC... PIC-PrP·PSP°C≠P°P»PëC†C_μ P_iPsP±C-C≠PSC- C₇H_μP^oPeC†C-C— C† PIPëPiP»C_μPrC- PeP»C-PSC-C≠PSPs C†C†C,C,C"°PIP_sPiPs P_iC-PrPIPëC%_oP_μPSPSC_μ PjP°C†Pë C,C-P»P°, P·PjC-PSPë C₇C-PIPS_μ P_iP»C₇PePsP·Pë, P·P°PiP°P»C₇HPSPsPiPs C...PsP»P_μC†C,P_μC₇PëPSC†/P>P_μPkP©/P>P_μP'P© P°P±Ps C,C₇PëPiP»C-C†P_μC₇PëPrC-PI, P_iPsC†C,C-PM₂PSPs P·P±C-P»C₇C€C†PIP°PIC†C_μ. PJ PrPsC₇PsC†P»PëC... P_iP°C†C-C"°PSC,C-PI, C_μPeC- P·P°PeC-PSC≠PëP»Pë 9-12-PjC-C†C_μC≠PSPëPM₂ PeC†C₇C† C,P_μC₇P°PiC-C—, C,P_μPjP_i P_iC-PrPIPëC%_oP_μPSPSC_μ C₇C-PIPS_μ P_iP»C₇PePsP·Pë PI PeC₇PsPIC- PSP°C,C%_oP_μ C†P_iPsPIC-P»C₇HPSPëPIC†C_μ PiC₇PëP±P»PëP·PSPs P_iC-C†P»C_μ 6 PjC-C†C_μC†C-PI P»C-PeC†PIP°PSPSC_μ.

P_μPsP±C-C≠PSC- C₇H_μP^oPeC†C-C— PI PsPeC₇P_μPjPëC... PiPsPiC†P»C_μC†C-C_μC.... PJ C...PsPrC- PeP»C-PSC-C≠PSPëC... PrPsC†P»C-PrP¶P_μPSCH C† P_iP°C†C-C"°PSC,C-PI P»C-C,PSC₇PsPiPs PIC-PeC† C-P· PrP_μPjP_μPSC†C-C"°C₇ C,P_μC₇P°PiC-C_μ PsP»P°PSP·P°PiC-PSPsPj P±C†P»P° P_iPsPIB₇™ C_μP·P°PSP° P· P_iC-PrPIPëC%_oP_μPSPëPj C₇C-PIPS_μPj P»P_μC,P°P»C₇HPSPëC... PIPëPiP°PrPeC-PI C,P° C†P_μC₇P_μP±C₇PsPIP°C†PeC†P»C_μC₇PSPëPjPë P_iPsP±C-C≠PSPëPjPë C₇H_μP^oPeC†C-C_μPjPë P_iPsC₇C-PIPS_μPSPs P· C,P°PePëPj C† PiC₇C†P_iC- P_iP»P°C†P_μP±Ps. P"°C†P¶P_μ P_iPsC€PëC₇P_μPSPëPjPë PSP_μP±P°P¶P°PSPëPjPë P_μC,,P_μPeC,P°PjPë, P_iPsPIB₇™ C_μP·P°PSPëPjPë C-P· P·P°C†C,PsC†C†PIP°PSPSC_μPj PsP»P°PSP·P°PiC-PSC†, C† PrP°PSPsC— PiC₇C†P_iPë P_iP°C†C-C"°PSC,C-PI P±C†P»Pë P_iPsC₇C†C€P_μPSPSC_μ C...PsPrPë C,P° P_iP°PrC-PSPSC_μ. P§P°C†C,Ps C†P_iPsC†C,P_μC₇C-PiP°P»P°C†C_μ P_iPSP_μPIPjPsPSC-C_μ, P_iC-PrPIPëC%_oP_μPSPSC_μ C,P_μPjP_iP_μC₇P°C,C†C₇Pë C,C-P»P°, P»P_μC,P°C₇PiC-C_μ, P_μC₇PëC,P_μPjP°, P·PsC₇PsPIC- P_iP°P»C₇C†PëPSP°C†C-C— C,P° PSP_μC,C₇PëPjP°PSPSC_μ C†P_μC†C-.

PJ C...PsPrC- PeP»C-PSC-C≠PSPëC... PrPsC†P»C-PrP¶P_μPSCH C†P_μC₇P_μPr P_iP°C†C-C"°PSC,C-PI P· PjP_μPrPëPeP°PjP_μPSC,PsP·PSPs C-PSP†C†PePsPIP°PSPëPj (P°PiPsPSC-C†C, PrPsP_iP°PjC-PSC†) P_iC†PëC...PsP·PsPj, P_iPsPIB₇™ C_μP·P°PSPëPj C-P· C...PIPsC₇PsP±PsC₇ P_μP°C₇PeC-PSC†PsPSP°, P_iPsPiC-C₇C€P_μPSPSC_μ P_iP°C₇PeC-PSC†PsPSC-PIC†C₇HPePsC— C†PëPjP_iC,PsPjP°C,PëPePë C,P° P_iP°P»C₇C†PëPSP°C†C-C— PIC-PrP·PSP°C≠P°P»PsC†C_μ PrC†P¶P_μ C≠P°C†C,Ps, C≠P°C†C,C-C€P_μ, PSC-P¶ C† PiC₇C†P_iC- P_iP»P°C†P_μP±Ps.

PJ C...PsPrC- PsPrPSPsPiPs PeP»C-PSC-C≠PSPsPiPs PrPsC†P»C-PrP¶P_μPSPSC_μ C† P_iP°C†C-C"°PSC,C-PI C-P· P±C-P_iPsP»C_μC₇PSPsC₇ PjP°PSC-C"°C₇ PI C₇H_μP·C†P»C₇C,P°C,C- P·P°C†C,PsC†C†PIP°PSPSC_μ PsP»P°PSP·P°PiC-PSC† C† PePsPjP±C-PSP°C†C-C— P· PIP°P»C₇PiC₇PsP°C,PsPj C†P_iPsC†C,P_μC₇C-PiP°P»P°C†C_μ PSP_μPM₂C,C₇PsPiP_μPSC-C_μ 4,1 %; PjPsP¶P»PëPIPsC₇ PiC₇PëC≠PëPSPsC₇ PjPsP¶P_μ P±C†C,Pë P_iC-PrPIPëC%_oP_μPSPSC_μ C₇C-PIPS_μ PIP°P»C₇PiC₇PsP°C,C† C† P_iP»P°P·PjC- PeC₇PsPIC-.

PJ C₇H_μP·C†P»C₇C,P°C,C- P·P°C†C,PsC†C†PIP°PSPSC_μ PsP»P°PSP·P°PiC-PSC† P· P»C-C,C-C"°Pj P°P±Ps PIP°P»C₇PiC₇PsP°C,PsPj C†P_iPsC†C,P_μC₇C-PiP°P»PëC†C_μ

($\geq 10\%$) C, C₇H₁₂P₄P₂SC₇, C₇C₇C...C-C₇C, CH₃ C₇ C₇PsC, C-, P·P±C-P»CH₃C€P₄PSPSC₇ P₂P°C₇Pë C, C-P»P°, P₂C-PrPIPëC%P₄PSPSC₇ P°P₂P₄C, PëC, C₇. P₂P°PëP₂SP₇ P₂PsPIC-PrPsP₂P»C₇P»Pë P₂C₇Ps P₂PsC₇C₇C€P₄PSPSC₇ P₂PsPIP»P₄PSPSC₇. P₄C-Pr C₇P°C₇ C, P₄C₇P°P₂C-C— PsP»P°PSP·P°P₂C-PSPsP₂ C₇ PëPsP₂P±C-PSP°C₇C-C— P·P»C-C, C-C”P₂P°P±Ps PrPëPIP°P»P₂C₇PsP₄PeC₇PsP₂ C₇P₂PsC₇C-PiP°P»PsC₇C₇B P·P±C-P»CH₃C€P₄PSPSC₇ P₂P°C₇PëB C, C-P»P° $\geq 7\%$ B P₂P₂P₂ (C-PSP₂P₄PeC₇C₇ P₂P°C₇Pë C, C-P»P°) C₇ 17,4 % P₂P°C₇C-C”PSC, C-PI P₂C-Pr C₇P°C₇ C-PSC, P₄PSC₇PëPIPSPsC— C, P₄C₇P°P₂C-C— (PrPs 6 C, PëP₂PSC-PI). P”PsPIPiPsC, C₇PëPIP°P»P₄ P»C-PeC₇PIP°PSPSC₇ PsP»P°PSP·P°P₂C-PSPsP₂ (PrPs 12 C, PëP₂PSC-PI) PrP»C₇ P₂PsP₂P₄C₇P₄PrP₂P₄PSPSC₇ C₇P₄C₇PëPrPëPIC-PI C₇ P₂P°C₇C-C”PSC, C-PI C-P·P±C-P₂PsP»C₇C₇PSPëP₂Pë C₇PsP·P»P°PrP°P₂Pë P±C₇P»Ps P₂PsPiB₇™ C₇P·P°PSPs P·P₂C-PrPIPëC%P₄PSPSC₇P₂ P₂P°C₇Pë C, C-P»P° $\geq 7\%$ P₂P₂P₂ C₇ 39,9 % P₂P°C₇C-C”PSC, C-PI.

P”C-C, Pë.

P₂P»P°PSP·P°P₂C-PS PSP₄ P₂PsPeP°P·P°PSPëP₂ PrP»C₇ P»C-PeC₇PIP°PSPSC₇ PrC-C, P₄P₂ C, P° P₂C-PrP»C-C, PeC-PI (PIC-PePsP₂ PrPs 18 C₇PsPeC-PI). P₂P»C-PSC-C₇PSC- PrPsC₇P»C-PrP₂P₄PSPSC₇, C₇PeC- P₂PsC₇C-PIPSC₇PIP°P»Pë P·P°C₇C, PsC₇C₇PIP°PSPSC₇ PsP»P°PSP·P°P₂C-PSC₇ C₇ P₂C-PrP»C-C, PeC-PI C, P° PrPsC₇PsC₇P»PëC..., PSP₄ P₂C₇PsPIP₂PrPëP»PëC₇CH₃.

P₂PëP₂C₇P₄ PIPeP°P·P°PSC- P₂PsP±C-C₇PSC- C₇P₄P°PeC₇C-C—, C%Ps PIPëPSPëPeP°CH₃CH₃ C₇P°C₇C, C-C€P₄ C₇ P₂C-PrP»C-C, PeC-PI (PIC-PePsP₂ PIC-Pr 13-17 C₇PsPeC-PI), PSC-P₂ C₇ PrPsC₇PsC₇P»PëC..., P°P±Ps P₂PsP±C-C₇PSC- C₇P₄P°PeC₇C-C—, C%Ps P±C₇P»Pë PIPëC₇PIP»P₄PSC- C, C-P»CH₃PePë P₂C-Pr C₇P°C₇ PePsC₇PsC, PePsC, C₇PëPIP°P»PëC... PeP»C-PSC-C₇PSPëC... PrPsC₇P»C-PrP₂P₄PSCH₃ C₇ P₂C-PrP»C-C, PeC-PI. P₂P»C-PSC-C₇PSPs P·PSP°C₇C₇C%P₄ P·P±C-P»CH₃C€P₄PSPSC₇ P₂P°C₇Pë C, C-P»P° ($\geq 7\%$) C₇P°C₇C, C-C€P₄ C₇P₂PsC₇C-PiP°P»PsC₇CH₃ C₇ P₂C-PrP»C-C, PeC-PI P₂PsC₇C-PIPSC₇PSPs P·PrPsC₇PsC₇P»PëP₂Pë. P₄C-Pr C₇P°C₇ PrPsPIPiPsC, C₇PëPIP°P»PsPiPs P»C-PeC₇PIP°PSPSC₇ (PSP₄ P₂P₄PSC€P₄ 24 C, PëP₂PSC-PI) PeP»C-PSC-C₇PSPs P·PSP°C₇C₇C%P₄ P·P±C-P»CH₃C€P₄PSPSC₇ P₂P°C₇Pë C, C-P»P° P±C₇P»Ps PIPëC%PëP₂, PSC-P₂ P₂C-Pr C₇P°C₇ PePsC₇PsC, PePsC, C₇PëPIP°P»PsPiPs P»C-PeC₇PIP°PSPSC₇.

P₂P°C₇C, PsC, C₇ P₂PsP±C-C₇PSPëC... C₇P₄P°PeC₇C-P₂, P·P°P·PSP°C₇P₄PSPëC... PSPëP₂C₇P₄, PIPëP·PSP°C₇P°CH₃CH₃ C, P°PePëP₂ C₇PëPSPsP₂: PrC₇P₂P₄ C₇P°C₇C, Ps ($\geq 1/10$), C₇P°C₇C, Ps ($\geq 1/100 - < 1/10$).

P₄PsC₇C₇C€P₄PSPSC₇ PsP±P₂C-PSC₇ C₇P₄C₇PsPIPëPS C, P° C₇PsP·P»P°PrPë C...P°C₇C₇C₇PIP°PSPSC₇.

P”C₇P₂P₄ C₇P°C₇C, Ps: P·P±C-P»CH₃C€P₄PSPSC₇ P₂P°C₇Pë C, C-P»P°¹³, P₂C-PrPIPëC%P₄PSPSC₇ C₇C-PIPSC₇ C, C₇PëPiP»C-C₇P₄C₇PëPrC-PI¹⁴, P₂C-PrPIPëC%P₄PSPSC₇ P°P₂P₄C, PëC, C₇.

P₂P°C₇C, Ps: P₂C-PrPIPëC%P₄PSPSC₇ C₇C-PIPSC₇ C...PsP»P₄C₇C, P₄C₇PëPSC₇¹⁵.

P— P±PsPeC₇ PSP₄C₇PIP₂PIPsC— C₇PëC₇C, P₄P₂Pë.

P”C₇P₂P₄ C₇P°C₇C, Ps: C₇P₄PrP°C₇C-C₇ (C₇ C, PsP₂C₇ C₇PëC₇P»C- P₂C-P₂P₄C₇C₇PsP₂PSC-C₇, P₂P»C₇PI-C₇C, CH₃, C₇PsPSP»PëPIC-C₇C, CH₃).

P— P±PsPeCf C€P»CfPSPePsPIPs-PeP€C€PePsPIPsPiPs C,CfP°PeC,Cf.

P\$P°CfC,Ps: CfCfC...C-CfC,CH Cf CfPsC,C-.

P— P±PsPeCf PiPµPiP°C,PsP±C-P»C-P°CfPSPsC— CfP€CfC,PµPjP€. B B B B B

P" CžP¶Pµ CžP°CfC,Ps: PiC-PrPIP€C%PµPSPSCf CfC-PIPSCf PiPµC±C-PSPePsPIP€C...
C,CfP°PSCfP°PjC-PSP°P· (PħP»PħPŸ C,P° PħCfPħPŸ; (PrP€PI. CfPsP·PrC-P»
B«PhCfPsP±P»P€PIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCfB»)).

P"PsCfP»C-PrP¶PµPSPSCf.

P" CžP¶Pµ CžP°CfC,Ps: P·PSP€P¶PµPSPSCf CfC-PIPSCf P·P°PiP°P»CHPSPsPiPs
P±C-P»C-CfCfP±C-PSCf, PiC-PrPIP€C%PµPSPSCf CfC-PIPSCf
PiP°PjPjP°PiP»CfC,P°PjC-P»C,CfP°PSCfC„PµCfP°P·P€, PiC-PrPIP€C%PµPSPSCf CfC-PIPSCf
PiCfPsP»P°PeC,P€PSCf Cf PiP»P°P·PjC- PeCfPsPIC⁻¹⁶.

¹³ PµC-CfP»Cf PePsCfPsC,PePsC±P°CfPSPsPiPs P»C-PeCfPIP°PSPSCf (CfPµCfPµPrPSCf
C,CfP€PIP°P»C-CfC,CH CfC,P°PSPsPIP€P»P° 22 PrPSC-) P·P±C-P»CHC€PµPSPSCf PjP°CfP€ C,C-P»P°
PSP°B ≥ 7 % CfPiPsCfC,PµCfC-PiP°P»PsCfCf PrCfP¶Pµ CžP°CfC,Ps (40,6 % PIP€PiP°PrPeC-PI), ≥ 15 %
CfPiPsCfC,PµCfC-PiP°P»PsCfCf CžP°CfC,Ps (7,1 % PIP€PiP°PrPeC-PI) C,P°B ≥ 25 % (2,5 %
PIP€PiP°PrPeC-PI). PµC-Pr CžP°Cf PrPsPIPiPsC,CfP€PIP°P»PsPiPs P»C-PeCfPIP°PSPSCf (PSPµ
PjPµPSC€Pµ 24 C,P€P¶PSC-PI) Cf 89,4 % PiP°C†C-C"PS,C-PI CfPiPsCfC,PµCfC-PiP°P»PsCfCf
P·P±C-P»CHC€PµPSPSCf PjP°CfP€ C,C-P»P° PSP° ≥ 7 %, Cf 55,3 % Bf" PSP° ≥ 15 % C,P° Cf 29, 1 % Bf"
PSP° ≥ 25 %.

¹⁴ PŸPiPsCfC,PµCfC-PiP°P»PsCfCf Cf PiP°C†C-C"PS,C-PI P· PSPsCfPjP°P»CHPSP€Pj
PiPsC±P°C,PePsPIP€Pj CfC-PIPSPµPj PSP°C,C%Pµ (< 1,016 PjPjPsP»CH/P»), CfPeP€Pµ
PiC-PrPIP€C%CfPIP°PICfCf PrPs PIP€CfPsPePsPiPs (≥ 1,467 PjPjPsP»CH/P»), C,P° CfC-P·PePµ
PiC-PrPIP€C%PµPSPSCf CfC-PIPSCf C,CfP€PiP»C-C†PµCfP€PrC-PI PSP°C,C%Pµ P·
PiPsC±P°C,PePsPIPsPiPs CfC-PIPSCf (≥ 1,016 - < 1,467 PjPjPsP»CH/P») PrPs PIP€CfPsPePsPiPs
CfC-PIPSCf (≥ 1,467 PjPjPsP»CH/P»).

¹⁵ PŸPiPsCfC,PµCfC-PiP°P»PsCfCfB Cf PiP°C†C-C"PS,C-PIB P· PSPsCfPjP°P»CHPSP€PjB
PiPsC±P°C,PePsPIP€PjB CfC-PIPSPµPj C...PsP»PµCfC,PµCfPsP»CfB PSP°C,C%Pµ P·B
PiPsC±P°C,PePsPIPsPiPsB CfC-PIPSCf

(< 4,39 PjPjPsP»CH/P») PrPs PIP€CfPsPePsPiPs CfC-PIPSCf (≥ 5,17 PjPjPsP»CH/P»). P"CfP¶Pµ
CžP°CfC,Ps PiPsPIC-PrPsPjP»CfP»PsCfCf PiCfPs CfC-P·PePµ PiC-PrPIP€C%PµPSPSCf
CfC-PIPSCf P·P°PiP°P»CHPSPsPiPs C...PsP»PµCfC,PµCfPsP»Cf PSP°C,C%Pµ P·
PiPsC±P°C,PePsPIPsPiPs CfC-PIPSCf (≥ 4,39 - < 5,17 PjPjPsP»CH/P») PrPs PIP€CfPsPePsPiPs
CfC-PIPSCf (≥ 5,17 PjPjPsP»CH/P»).

¹⁶ PJ 47,4 % PiC-PrP»C-C,PeC-PI CfPiPsCfC,PµCfC-PiP°P»PsCfCf PiC-PrPIP€C%PµPSPSCf
CfC-PIPSCf PiCfPsP»P°PeC,P€PSCf Cf PiP»P°P·PjC- PeCfPsPIC-.

PµPsPIC-PrPsPjP»PµPSPSCf PiCfPs PiPsP±C-C†PSC- CfPµP°PeC†C-C— PiC-CfP»Cf
CfPµC"CfC,CfP°C†C-C— P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf PjP°C" PIP°P¶P»P€PIPµ
P·PSP°C†PµPSPSCf. P|Pµ PrP°C" P·PjPsPiCf PiCfPsPIPsPrP€C,P€ PjPsPSC-C,PsCfP€PSPi
CfPiC-PIPIC-PrPSPsC€PµPSPSCf PePsCfP€CfC,CH/CfP€P·P€Pe PiCfP€
P·P°CfC,PsCfCfPIP°PSPSC- C†CHPsPiPs P»C-PeP°CfCfCHPePsPiPs P·P°CfPsP±Cf.
PħPµPrP€C†PSP€Pj C,P° C„P°CfPjP°C†PµPIC,P€C†PSP€Pj PiCfP°C†C-PIPSP€PeP°Pj, P°
C,P°PePsP¶ PiP°C†C-C"PS,C,P°Pj P°P±Ps C—C... P·P°PePsPSPSP€Pj PiCfPµPrCfC,P°PIPSP€PeP°Pj

СГР»С-Рr PīPsPIC-PrPsPjP»CЦC, Pē PīCḡPs ĆCГC- PIPēPīP°PrPePē PīC-PrPsP·CḡCḡPIP°PSPēC...
PīPsP±C-C‡PSPēC... CḡPμP°PeC†C-PNē C,P° PIC-PrCГĆC,PSPsCГC,C-
PμC,,PμPeC,PēPIPSPsCГC,C- P»C-PeP°CḡCГCḡPePsPiPs P·P°CГPsP±Ć C‡PμCḡPμP·
PḡPIC,PsPjP°C,PēP·PsPIP°PSĆ C-PSC,,PsCḡPjP°C†C-PNēPSĆ CГPēCГC,PμPjĆ P·
C,,P°CḡPjP°PePsPSP°PiP»CЦPrĆ P·P° PīPsCГPēP»P°PSPSCЦPj: <https://aisf.dec.gov.ua>.

PŷPμCḡPjC-PS PīCḡPēPrP°C,PSPsCГC,C-. 2 CḡPsPePē.

PJPjPsPIPē P·P±PμCḡC-PiP°PSPSCЦ.

P—P±PμCḡC-PiP°C,Pē PīCḡPē C,PμPjPīPμCḡP°C,ĆCḡC- PSPμ PIPēC%oPμ 25 B°Pŷ PI
PsCḡPēPiC-PSP°P»CḡPSC-PNē ĆPīP°PePsPIC†C-.

P—P±PμCḡC-PiP°C,Pē Ć PSPμPrPsCГC,ĆPīPSPsPjĆ PrP»CЦ PrC-C,PμPNē PjC-CГC†C-.

PJPīP°PePsPIPeP°.

PμPs 14 C,P°P±P»PμC,PsPe Ć P±P»C-CГC,PμCḡC-, PīPs 2 P±P»C-CГC,PμCḡPē Ć
PeP°CḡC,PsPSPSC-PNē ĆPīP°PePsPIC†C-.

PљP°C,PμPiPsCḡC-CЦ PIC-PrPīĆCГPeĆ.B P—P° CḡPμC†PμPīC,PsPj.

P’PēCḡPsP±PSPēPe.

PќPsP±PμP» P†P»P°C‡ PŷP°PSP°C— PIPμ PŷC-PrP¶P°CḡPμC, Pḡ.Pē.

**PњC-CГC†PμP·PSP°C...PsPrP¶PμPSPSCЦ PIPēCḡPsP±PSPēPeP° C,P° P°PrCḡPμCГP°
PjC-CГC†CЦ PīCḡPsPIP°PrP¶PμPSPSCЦ PNēPsPiPs PrC-CЦP»CḡPSPsCГC,C-.**

PљPIP°CḡC,P°P» PŷP°PSPeP°PeP»P°Cḡ, PīCḡ. P·CГPeC- PḡPeC‡P°PePsPrP¶P°, B,, -299, 81100 Pj.
P”CḡP·PrP¶Pμ, PŷĆCḡPμC‡C‡PēPSP°.