

C-PjC-C,CrC" PePëCëPePsPIPµ CÍPµCĤPµPrPsPIPëC%oPµ (CÍPsP»CHbPsPIPëPNë CĤPsP·C±PëPS P¶PsPIC±C- C,P° PïP°PSPeCĤPµP°C,PëPSCr bĤ" pH 8), CÍPïPsCĤPë *Bacillus clausii* PïCĤPsPrPµPjPsPSCÍC,CĤCÍPIP°P»Pë P·PrP°C,PSC-CÍC,CĤ CĤPsP·PjPSPsP¶CÍPIP°C,PëCÍCĬ PïPsCĤC-PIPSCĬPSPs P· PïPsC±P°C,PePsPIPSCĤ PeC-P»CHbPeC-CÍC,CĤ PI CÍC,P°C,PëCÍC,PëC±PSPs P·PSP°C±CÍC%oPëPNë CÍPïPsCÍC-P± (PIC-Pr 10⁹ PrPs 10¹² PePsP»PsPSC-C"CrC,PIPSCĤCĤPIP°P»CHbPSPëC... PsPrPëPSPëC±CHb (PĤPjPh)), PïPsC±PëPSP°CĤC±Pë P· 240 C...PIPëP»PëPSPë PïC-CÍP»CĬ C-PSPeCÍP±P°C±C-—. PJ PrPsCÍP»C-PrP¶PµPSPSC-, CĬPePµ PïCĤPsPIPPrPëP»PsCÍCĬ P·P° CÍC±P°CÍC,CĤ 20 PsCÍC-P±, P±CÍP»Ps PIC-PrP·PSP°C±PµPSPs, C%oPs Cr P»CĤPrPëPSPë CÍPïPsCĤPë *Bacillus clausii* PïPsCÍC,C-PNëPSPs P¶PëPICrC,CĤ Cr PePëCëPµC±PSPëPeCÍ PNë PjPsP¶CÍC,CĤ P±CÍC,Pë PIPëCĬPIP»PµPSC- PI PeP°P»C- PïCĤPsC,CĬPïPsPj PïPµCĤC-PsPrCÍ PrPs 12 PrPSC-PI PïC-CÍP»CĬ PsPrPSPSCĤP°P·PsPIPsiPs PïPµCĤPsCĤP°P»CHbPSPsPiPs PïCĤPëPNëPsPjCÍ.

P—P°PIPrCĬPePë PrC-C— *Bacillus clausii* PïCĤPµPïP°CĤP°C, PIC-PrPSPsPIP»CĤC" PePëCëPePsPICr PjC-PeCĤPsC,,P»PsCĤCÍ, P·PjC-PSPµPSCr Cr CĤPµP·CÍP»CHbC,P°C,C- C,PµCĤP°PïC-— P»C-PeP°CĤCÍCHbPePëPjPë P·P°CÍPsP±P°PjPë, C%oPs PïCĤPëP·PIPPrCĬC,CĤ PrPs PrPëCÍP±P°PeC,PµCĤC-PsP·CÍ (C,P°PePsP¶ PIC-PrPsPjPsPiPs CĬPe PrPëCÍP±C-PsP·), CĬPePëPNë C,P°PePsP¶ PjPsP¶Pµ P±CÍC,Pë PïPsPïbĤ™ CĬP·P°PSPëPNë P·C- CëP»CÍPSPePsPIP- PePëCëPePsPIPëPjPë CÍPëPjPïC,PsPjP°PjPë, C,P°PePëPjPë CĬPe PrC-P°CĤPµCĬ, P±C-P»CHb Cr P¶PëPIPSC,C- C,P° PjPµC,PµPsCĤPëP·Pj (P·PrCÍC,C,CĬ PePëCëPµC±PSPëPeCÍ). PĤCĤC-Pj C,PsPiPs, P·P°PIPrCĬPePë P·PrP°C,PSPsCÍC,C- *Bacillus clausii* CÍPëPSC,PµP·CÍPIP°C,Pë CĤC-P·PSC- PIC-C,P°PjC-PSPë, PsCÍPsP±P»PëPIPs PïCĤCÍPïPë P', PïCĤPµPïP°CĤP°C, CÍPïCĤPëCĬC" PePsCĤPµPeC±C-— PrPëCÍPIC-C,P°PjC-PSPsP·CÍ, CÍPïCĤPëC±PëPSPµPSPsPiPs P·P°CÍC,PsCÍCÍPIP°PSPSCĬPj P°PSC,PëP±C-PsC,PëPeC-PI P°P±Ps C...C-PjC-PsC,PµCĤP°PïPµPIC,PëC±PSPëC... PïCĤPµPïP°CĤP°C,C-PI. P—P°PIPrCĬPePë PjPµC,P°P±PsP»C-C±PSC-PNë P°PeC,PëPIPSPsCÍC,C- *Bacillus clausii* P·P°CÍC,PsCÍCÍPIP°PSPSCĬ PïCĤPµPïP°CĤP°C,CÍ PrP°C" P·PjPsPiCÍ PrPsCÍCĬPïC,Pë PSPµCÍPïPµC±PëC,,C-C±PSPsPiPs P°PSC,PëPïPµPSPSPsPiPs C,P° P°PSC,PëC,PsPeCÍPëC±PSPsPiPs PµC,,PµPeC,CÍ.

P—P°PIPrCĬPePë PIPëCÍPsPeC-PNë CĤPµP·PëCÍC,PµPSC,PSPsCÍC,C- PrPs C...C-PjC-C±PSPëC... C- C,,C-P·PëC±PSPëC... P°PïPµPSC,C-PI CÍPïPsCĤPë *Bacillus clausii* PïCĤPsC...PsPrCĬC,CĤb PSPµCÍCëPePsPrP¶PµPSPëPjPë PeCĤC-P·CHb P±P°CĤbĤ™ C" CĤ CëP»CÍPSPePsPIPsiPs CÍPsPeCÍ PI PePëCëPµC±PSPëPNë C,CĤP°PeC,, PrPµ PIPsPSPë PïPµCĤPµC,PIPSCĤCĤC,CĤCÍCĬ PI PjPµC,P°P±PsP»C-C±PSPs P°PeC,PëPIPSC- PIPµPïPµC,P°C,PëPIPSC- PeP»C-C,PëPSPë.

PJ PrPIPSC... PIC-PrPeCĤPëC,PëC... CĤP°PSPPrPsPjC-P·PsPIP°PSPëC... PePsPSC,CĤPsP»CHbPsPIP°PSPëC... PeP»C-PSC-C±PSPëC... PrPsCÍP»C-PrP¶PµPSPSCĬC... P»C-PeP°CĤCÍCHbPePëPNë P·P°CÍC-P± P·PSC,PµCĤPsP¶PµCĤPjC-PSP°^B PαPsCĤC,Pµ PïCĤPsPrPµPjPsPSCÍC,CĤCÍPIP°PI P·PSPëP¶PµPSPSCĬ C,CĤPëPIP°P»PsCÍC,C- PïPsCÍC,CĤPsC— PrC-P°CĤPµC— Cr PrC-C,PµPNë PIC-PePsPj PIC-Pr 6 PjC-CÍCĬC±C-PI.

P—P° CÍPjPsPIPë PïCĤPëPNëPsPjCÍ PïC-Pr C±P°CÍ P»C-PeCÍPIP°PSPSCĬ P°PSC,PëP±C-PsC,PëPeP°PjPë C,P° PïCĤPsC,CĬPïPsPj PSP°CÍC,CÍPïPSPëC... 7bĤ"10 PrPSC-PI P·PSC,PµCĤPsP¶PµCĤPjC-PSP°^B PαPsCĤC,Pµ PïCĤPsPrPµPjPsPSCÍC,CĤCÍPIP°P»P° P·PSPëP¶PµPSPSCĬ C±P°CÍC,PsC,Pë P±PsP»CĤ PI P¶PëPIPSC,C- C,P° PrC-P°CĤPµC—, PïPsPïbĤ™ CĬP·P°PSPëC... C-P· P·P°CÍC,PsCÍCÍPIP°PSPSCĬPj P°PSC,PëP±C-PsC,PëPeC-PI.

P"Ps PïCĤPsCÍPïPµPeC,PëPIPSPsPiPs PsP±CÍPµCĤPIP°C±C-PNëPSPsPiPs P±P°PiP°C,PsC±PµPSC,CĤPsPIPsiPs PrPsCÍP»C-PrP¶PµPSPSCĬ P±CÍP»Ps P·P°P»CÍC±PµPSPs 261 PïP°C±C-C" PSC,P° PrP»CĬ PsC±C-PSPePë P·P°CÍC,PsCÍCÍPIP°PSPSCĬ PïCĤPsP±C-PsC,PëPeP° *Bacillus clausii* PI CĤPµP°P»CHbPSPëC... CÍPjPsPIP°C... PïCĤPë C,P°PePëC... CÍPëPjPïC,PsPjP°C..., CĬPe PrC-P°CĤPµCĬ, P±C-P»CHb Cr P¶PëPIPSC,C-,

P·PrCfC,C,Cf P¶PëPIPsC,P°, PjPµC,PµPsC¶PëP·Pj, P·P°PìPsC¶ C,P°
P°P±PrPsPjC-PSP°P»CHbPSPëPµ PrPëCfPePsPjC,,PsC¶C,, PhCtC-PSPeP°
PìC¶PsPIPsPrPëP»P°CfCf PSP° PsCfPSPsPIC- P°PSPePµC,CfPIP°PSPSCf PìP°CtC-C°PSC,C-PI,
CfPePµ P·PrC-PNëCfPSC¶PIP°P»Pë C,,P°C¶PjP°CtPµPIC,Pë PìPµC¶PµPr PìPsCtP°C,PePsPj
PìC¶PëPµPsPjCf PìC¶PµPìP°C¶P°C,Cf C,P° C¶PµC¶PµP· 30 PrPSC-PI PìC-CfP»Cf PNëPsPìPs
P·P°CfC,PsCfCfPIP°PSPSCf.

PµP°CtC-C°PSC,Pë PìPsPIC-PrPsPjPëP»Pë, C%Ps PìC¶PëPµPjP°P»Pë PìC¶PµPìP°C¶P°C,
PìPµC¶PµPIP°P¶PSPs PrP»Cf P»C-PeCfPIP°PSPSCf PrC-P°C¶PµC— (56,7 %
PìP°CtC-C°PSC,C-PI); P°P±PrPsPjC-PSP°P»CHbPSPsPìPs P±PsP»C¶ (13,41 %) C,P° P·PrCfC,C,Cf
P¶PëPIPsC,P° (12,64 %).

P¶PµC¶PµPrPSCf C,C¶PëPIP°P»C-CfC,Ch P»C-PeCfPIP°PSPSCf CfC,P°PSPsPìPëP»P° 7,1
PrPSCf. PµPsPeC¶P°C%PµPSPSCf CfPëPjPìC,PsPjC-PI PìP°CtC-C°PSC,Pë
PIC-PrP·PSP°CtP°P»Pë PI CfPµC¶PµPrPSC¶PsPjCf C¶PµC¶PµP· C,C¶Pë PrPSC-
P·P°CfC,PsCfCfPIP°PSPSCf P»C-PeP°C¶CfChPePsPìPs P·P°CfPsP±Cf. PµC-CfP»Cf
P·P°PIPµC¶C¶PµPSPSCf P»C-PeCfPIP°PSPSCf 95 % PìP°CtC-C°PSC,C-PI PIC-PrP·PSP°CtPëP»Pë
P·PjPµPSC¶PµPSPSCf PrC-P°C¶PµC—, P° 97 % b¶“ PìPsCfP»P°P±P»PµPSPSCf
P°P±PrPsPjC-PSP°P»CHbPSPsPìPs P±PsP»C¶.

P—P°P·PSP°CtPµPSC- PSPëP¶CtPµ 2 PsCfPSPsPIPSC- PIP»P°CfC,PëPIPsCfC,C- *Bacillus clausii*
CfPìC¶PëCfC¶C,Ch PIC-PrPSPsPIP»PµPSPSC¶ PePëC¶PePsPIPsC—
P±P°PeC,PµC¶C-P°P»CHbPSPsC— C,,P»PsC¶Pë.

PtPSPiC-P±CzPIP°PSPSCf P·C¶PsCfC,P°PSPSCf PìP°C,PsPìPµPSPSPëC... P±P°PeC,PµC¶C-PNë

P¶C¶ChbPsPjP° PNëPjPsPIC-C¶PSPëPjPë PjPµC...P°PSC-P·PjP°PjPë PrC-C— *B. clausii* C°:
PePsP»PsPSC-P·P°CtC-Cf PIC-P»CHbPSPëC... PµPePsP»PsPìC-CtPSPëC... PSC-C¶, C%Ps
P·P°PìPsP±C-PìP°C° P·C¶PsCfC,P°PSPSC¶ C-PSC¶PëC... PjC-PeC¶PsPsC¶PìP°PSC-P·PjC-PI;
PePsPSPeCfC¶PµPSCtC-Cf P·P° P·Pìb¶™ CfP·PsPe P· PµPìC-C,PµP»C-P°P»CHbPSPëPjPë
PeP»C-C,PëPSP°PjPë, C%Ps PsCfPsP±P»PëPIPs CfC,PsCfCfC°C,ChCfCf CfPìPsC¶ Cf
PìPsCtP°C,PePsPIC-PNë C- PìC¶PsPjC-P¶PSC-PNë C,,P°P·P°C... PìPµC¶PjC-PSP°CtC-C—;
PIPëC¶PsP±P»PµPSPSCf P°PSC,PëP±C-PsC,PëPeC-PI C-/P°P±Ps C,,PµC¶PjPµPSC,C-PI, CfPeC-
CfPµPeC¶PµC,CfC¶C,ChCfCf PI PePëC¶PePsPIPsPjCf CfPµC¶PµPrPsPIPëC%C-. Pj
PrPsCfP»C-PrP¶PµPSPSC- *in vitro* CfPìPsC¶Pë *Bacillus clausii*
PìC¶PsPrPµPjPsPSCfC,C¶CfPIP°P»Pë PIPëC¶PsP±P»PµPSPSCf P±P°PeC,PµC¶C-PsCtPëPSC-PI
C- P°PSC,PëP±C-PsC,PëPeC-PI, C,P°PePëC... CfPe PeP»P°CfP·PëPS, P·
P°PSC,P°PìPsPSC-CfC,PëCtPSPsC¶ P°PeC,PëPIPSC-CfC,C¶ PìC¶PsC,Pë
PìC¶P°PjPìPsP·PëC,PëPIPSPëC... P±P°PeC,PµC¶C-PNë *Staphylococcus aureus, Clostridium difficile,*
Enterococcus faecium.

PtPjCzPSPsPjPsPrCzP»C¶C¶CtP° P°PeC,PëPIPSC-CfC,Ch

P¶PìPsC¶Pë *Bacillus clausii*, P·P°CfC,PsCfPsPIP°PSC- PìPµC¶PsC¶P°P»CHbPSPs, Cf
PjPsPrPµP»CfC... *in vitro* C,P° *in vivo* PSP° PjPëC¶P°C... PìC¶PsPrPµPjPsPSCfC,C¶CfPIP°P»Pë
CfC,PëPjCfP»C¶PIP°PSPSCf PIPëC¶PsP±P»PµPSPSCf C-PSC,PµC¶C,,PµC¶PsPSCf-PìP°PjPjP°
C,P° P·P±C-P»CHbC¶PµPSPSCf PìC¶PsP»C-C,,PµC¶P°CtC-C— CD4 T·P»C-PjC,,PsCtPëC,C-PI.

PαP°C¶PjP°PePsPeC-PSPµC,PëPeP°.

РμСҫРμРiР°СҫР°С, РSPμ РiР·Р°С"РjРsРrС-С" Р· С,Р°РeРeРjРe Р°РSC,РeР±С-РsС,РeРeР°РjРe:
РiРμРSC-С†РeР»С-РS РiСҫРe Р·Р°Сҫ,РsСҫРrРiР°РSPSC- РSPμ Рi РeРsРjР±С-РSP°С†С-С— Р·
С-РSPiС-Р±С-С,РsСҫР°РjРe Р±РμС,Р°-Р»Р°РeС,Р°РjР°Р·Рe, С†РμС,,Р°Р»РsСҫРiРsСҫРeРSPe
(С†Р°Сҫ,РeРsРiР° СҫРμР·РeСҫ,РμРSC,РSC-Сҫ,Сҫ Сҫ Р±С-Р»СҫeРsСҫ,С-
РiРeРiР°РrРeС-Рi), С,РμС,СҫР°С†РeРeР»С-РSPe, РjР°РeСҫРsР»С-РrРe,
Р°РjС-РSPsРiР»С-РeРsР·РeРrРe (Р·Р° РiРeРSCҫ,РeРsРj РiРμРSC,Р°РjС-С†РeРSCҫ С-
Р°РjС-РeР°С†РeРSCҫ), С...Р»РsСҫР°РjС,,РμРSC-РeРsР», С,С-Р°РjС,,РμРSC-РeРsР»,
Р»С-РSPeРsРjС-С†РeРS, РeР»С-РSPrР°РjС-С†РeРS, С-Р·РsРSC-Р°Р·РeРr,
С†РeРeР»РsСҫРμСҫРeРS, РSPsРiРsР±С-РsС†РeРS, СҫРeС,,Р°РjРiС-С†РeРS,
РSP°Р»С-РrРeРeСҫРsРiР° РeРeСҫР»РsС,Р° С- РiС-РiРμРjС-РrРsРiР° РeРeСҫР»РsС,Р°
(РiСҫРsРjС-Р¶РSP° СҫРμР·РeСҫ,РμРSC,РSC-Сҫ,Сҫ), РjРμС,СҫРsРSC-РrР°Р·РsР».

РлР»Р»С-РSC-С†РSC- С...Р°СҫР°РeС,РμСҫРeСҫ,РeРeРe.

РμРsРeР°Р·Р°РSPSCҫ.

Р»С-РeСҫРiР°РSPSCҫ С,Р° РiСҫРsС,,С-Р»Р°РeС,РeРeР° РrРeСҫР±Р°РeС,РμСҫС-РsР·Сҫ
РeРeСeРμС†РSPeРeСҫ С,Р° РiРsРiРbҫ™ СҫРiР·Р°РSPsРiРs Р· РSPeРj РμРSPrРsРiРμРSPSPsРiРs
РrРeСҫРiС-С,Р°РjС-РSPsР·Сҫ.

Р"РsРiРsРjС-Р¶РSP° С,РμСҫР°РiС-Сҫ, СҫРiСҫСҫРjРsРiР°РSP° РSP° РiС-РrРSPsРiР»РμРSPSCҫ
РSPsСҫРjР°Р»СҫРSPsС— РjС-РeСҫРsС,,Р»РsСҫРe РeРeСeРμС†РSPeРeСҫ, С%Рs
РiРsСҫСҫРeСҫ"С,СҫСҫ РiС-Рr С†Р°Сҫ Р»С-РeСҫРiР°РSPSCҫ Р°РSC,РeР±С-РsС,РeРeР°РjРe
Р°Р±Рs С...С-РjС-РsС,РμСҫР°РiРμРiС,РeС†РSPeРjРe РiСҫРμРiР°СҫР°С,Р°РjРe.

Р"РsСҫ,СҫС- С,Р° С...СҫРsРSC-С†РSC- СeР»СҫРSPeРsРiРs-РeРeСeРeРsРiС-
Р·Р°С...РiРsСҫРiР°РSPSCҫ Сҫ РSPμРjРsРiР»Сҫ,, РiРsРiРbҫ™ СҫРiР·Р°РSC- Р·
С-РSC,РsРeСҫРeР°С†С-С"Сҫ Р°Р±Рs РrРeСҫР±Р°РeС,РμСҫС-РsР·РsРj РeРeСeРμС†РSPeРeСҫ
С,Р° РrРeСҫРiС-С,Р°РjС-РSPsР·РsРj.

РμСҫРsС,РeРiРsРeР°Р·Р°РSPSCҫ.

Р"С-РiРμСҫСҫСҫ,Р»РeРiС-Сҫ,Сҫ РrРs РrС-СҫСҫСҫ— СҫРμСҫРsРiРeРSPe Р°Р±Рs РrРs
Р±СҫРrСҫ-СҫРeРsС— Р· РrРsРiРsРjС-Р¶РSPeС... СҫРμСҫРsРiРeРS РiСҫРμРiР°СҫР°С,Сҫ.

**Р·Р·Р°СҫРrС-Сҫ Р· С-РSCeРeРjРe Р»С-РeР°СҫСҫРeРeРjРe Р·Р°СҫРsР±Р°РjРe С,Р°
С-РSCeС- РiРeРrРe РiР·Р°СҫРrС-Р№.**

Р"РsСҫР»С-РrР¶РμРSCҫ РiР·Р°СҫРrС-С— РSPμ РiСҫРsРiРsРrРeР»РsСҫСҫ.

РҫСҫРsР±Р»РeРiРsСҫ,С- Р·Р°Сҫ,РsСҫСҫРiР°РSPSCҫ.

Рj С,,Р»Р°РeРsРSP°С... Р· РiСҫРμРiР°СҫР°С,РsРj Р·РSC,РμСҫРsР¶РμСҫРjС-РSP° РsРsСҫСҫ,Рμ
РjРsР¶Р»РeРiР° РSP°СҫРiРSC-Сҫ,Сҫ РiРeРrРeРjРeС... С†Р°Сҫ,РsСҫРsРe, С%Рs
СҫСҫ,РiРsСҫСҫСҫ,СҫСҫ РiРSP°СҫР»С-РrРsРe Р°РiСҫРμРiР°СҫСҫ— СҫРiРsСҫ *Bacillus*

clausii C,P° PSPµ CÍPIC-PrC±P°C,CH PiCḡPs C,µ, C%Ps PiCḡPµPiP°CḡP°C, P·P°P·PSP°PI P±CfPrCH-CIIPePëC... P·PjC-PS.

PµPµCḡPµPr P·P°CÍC,PsCÍCfPIP°PSPSCII Pj C,,P»P°PePsPS CÍP»C-Pr CÍC,CḡCfCÍPëC,Pë.

PµCḡPµPiP°CḡP°C, PjP°C" PIPëCÍPsPePëPµ CÍC,CfPiC-PSCH PiPµC,PµCḡPsP»PsPiC-C±PSPsC— CḡPµP·PëCÍC,PµPSC,PSPsCÍC,C- PrPs P°PSC,PëP±C-PsC,PëPeC-PI, C%Ps PrP°C" P·PjPsPiCf P·P°CÍC,PsCÍPsPICfPIP°C,Pë PµPsPiPs CIIPe PrP»CI PiCḡPsC,,C-P»P°PeC,PëPePë P·PjC-PSPë PjC-PeCḡPsC,,P»PsCḡPë PePëCëPµC±PSPëPeCf, CÍPiCḡPëC±PëPSPµPSPsC— CÍPµP»PµPeC,PëPIPSsCḡ PrC-C"ḡ P°PSC,PëP±C-PsC,PëPeC-PI (PsCÍPsP±P»PëPIPs P°PSC,PëP±C-PsC,PëPeC-PI CëPëCḡPsPePsPiPs CÍPiPµPeC,CḡP° PrC-C—), C,P°Pe C- PrP»CI PIC-PrPSPsPIP»PµPSPSCII PIP¶Pµ PiPsCḡCfCëPµPSPsPiPs P±P°P»P°PSCÍCf PjC-PeCḡPsC,,P»PsCḡPë PePëCëPµC±PSPëPeCf.

PiPeC%Ps PiCḡPµPiP°CḡP°C, PiCḡPëP·PSP°C±P°C,Pë PsPrPSPsC±P°CÍPSPs P· P°PSC,PëP±C-PsC,PëPeP°PjPë, PµPsPiPs CÍP»C-Pr P·P°CÍC,PsCÍPsPICfPIP°C,Pë PjC-P¶ PrPIPsPjP° PiCḡPëPµPsPjP°PjPë P°PSC,PëP±C-PsC,PëPeP°.

PiPµPµ P»C-PeP°CḡCÍCHPePëPµ P·P°CÍC-P± PiCḡPëP·PSP°C±PµPSPëPµ PIPëPeP»CHC±PSPs PrP»CI PiPµCḡPsCḡP°P»CHPSPsPiPs P·P°CÍC,PsCÍCfPIP°PSPSCII. P—P°P±PsCḡPsPSCII C,CHCÍCI PIPsPrPëC,Pë PiCḡPµPiP°CḡP°C, C-PSBḡ™ C"PeC±C-PµPSPëPj P°P±Ps P±CfPrCH-CIIPePëPj C-PSCëPëPj CëP»CI C...PsPj. PkPµPePsCḡPµPeC,PSPµ P·P°CÍC,PsCÍCfPIP°PSPSCII C±CHPsPiPs P»C-PeP°CḡCÍCHPePsPiPs P·P°CÍPsP±Cf PiCḡPëP·PIPsPrPëP»Ps PrPs PIPëPSPëPePSPµPSPSCII C,CIIP¶PePëC... P°PSP°C,,C-P»P°PeC,PëC±PSPëC... CḡPµP°PeC±C-Pµ, C,P°PePëC... CIIPe P°PSP°C,,C-P»P°PeC,PëC±PSPëPµ CëPsPe.

P°PeC,PµCḡC-C" PjC-CI C,P° CÍPµPiCÍPëCÍ

PµPsCÍC,PjP°CḡPePµC,PëPSPiPsPIC- PIPëPiP°PrPePë P±P°PeC,PµCḡC-C" PjC-C—, CÍPµPiC,PëC±PµPjC-C— C,P° CÍPµPiCÍPëCÍCf P±CfP»Pë PIPëCIIPIP»PµPSC- Cf PiP°C±C-C" PSC,C-PI P· PsCÍP»P°P±P»PµPSPëPj C-PjCfPSC-C,PµC,PsPj P°P±Ps Cf C,CIIP¶PePsC...PIPsCḡPëC... PiP°C±C-C" PSC,C-PI, P° C,P°PePsP¶ Cf PSPµPrPsPSPsCëPµPSPëC... PrC-C,PµPµ. Pj PrPµCIIPePëC... C...PIPsCḡPëC... Cf C,CIIP¶PePsPjCf CÍC,P°PSC- CḡPµP·CfP»CHC,P°C, P±CfPI P»PµC,P°P»CHPSPëPj. PiPëPj PiCḡCfPiP°Pj PiP°C±C-C" PSC,C-PI CÍP»C-Pr CfPSPëPeP°C,Pë P·P°CÍC,PsCÍCfPIP°PSPSCII PiCḡPµPiP°CḡP°C,Cf P·PSC,PµCḡPsP¶PµCḡPjC-PSP°^B PµPsCḡC,Pµ (PrPëPI. CḡPsP·PrC-P» B«PµPsP±C-C±PSC- CḡPµP°PeC±C-C—B»).

P—P°CÍC,PsCÍCfPIP°PSPSCII C± PiPµCḡC-PsPr PIP°PiC-C,PSPsCÍC,C- P°P±Ps PiPsPrCfPIP°PSPSCII PiCḡCfPrPrCḡ.

P°PiC-C,PSC-CÍC,CH. P"PsCÍC,CfPiPSC- PrP°PSC- C%PsPrPs P·P°CÍC,PsCÍCfPIP°PSPSCII PiCḡPµPiP°CḡP°C,Cf P·PSC,PµCḡPsP¶PµCḡPjC-PSP°^B PµPsCḡC,Pµ PIP°PiC-C,PSPëPj P¶C-PSPeP°Pj, C" PsP±PjPµP¶PµPSPëPjPë, C,PsPjCf PSPµ PjPsP¶PSP° P·CḡPsP±PëC,Pë PIPëCÍPSPsPiPsPe C%PsPrPs P±PµP·PiPµPePë P·P°CÍC,PsCÍCfPIP°PSPSCII PiCḡPµPiP°CḡP°C,Cf PiC-Pr C±P°CÍ PIP°PiC-C,PSPsCÍC,C-.

PµCḡPµPiP°CḡP°C, P·PSC,PµCḡPsP¶PµCḡPjC-PSP°^B PµPsCḡC,Pµ PjPsP¶PSP° P·P°CÍC,PsCÍPsPICfPIP°C,Pë PiC-Pr C±P°CÍ PIP°PiC-C,PSPsCÍC,C- P»PëCëPµ Cf CḡP°P·C-,

PePsP»Pë PïPsC,PµPSC†C-PMᵉPSP° PePsCḤPëCíC,CH PrP»Cı PIP°PiC-C,PSPsC—
PïPµCḤPµPIPëC%oCfC” PïPsC,PµPSC†C-PMᵉPSC- CḤPëP·PëPePë, PIPeP»CḤC†PSPs P·
CḤPëP·PëPeP°PjPë PrP»Cı PïP»PsPrP°.

*PµPµCḤC-PsPr PïPsPrC¿PIP°PSPSCı PıCḤC¿PrPrCḤ. P”PsCíC,CfPïPSC- PrP°PSC- C%oPsPrPs
P·P°CíC,PsCíCfPIP°PSPSCı PıCḤPµPïP°CḤP°C,Cf B P·PSC,PµCḤPsP¶PµCḤPjC-PSP°^B
PαPsCḤC,Pµ Pı PïPµCḤC-PsPr PïPsPrCfPIP°PSPSCı PıCḤCfPrPrCḤ, P° CíP°PjPµ C%oPsPrPs
PSP°CıPIPSPsCíC,C- PıCḤPµPïP°CḤP°C,Cf Cf PıCḤCfPrPSPsPjCf PjPsP»PsC†C- C,P°
PIPïP»PëPICf PSP° PSPµPjPsPIP»Cı, C” PsP±PjPµP¶PµPSPëPjPë, C,PsPjCf PSPµ PjPsP¶PSP°
P·CḤPsP±PëC,Pë PIPëCíPSPsPIPePë C%oPsPrPs P±PµP·PïPµPePë P·P°CíC,PsCíCfPIP°PSPSCı
PıCḤPµPïP°CḤP°C,Cf Pı PïPµCḤC-PsPr PïPsPrCfPIP°PSPSCı PıCḤCfPrPrCḤ.*

PµCḤPµPïP°CḤP°C, P·PSC,PµCḤPsP¶PµCḤPjC-PSP°^B PαPsCḤC,Pµ PjPsP¶PSP°
P·P°CíC,PsCíCfPICfPIP°C,Pë Pı PïPµCḤC-PsPr PïPsPrCfPIP°PSPSCı PıCḤCfPrPrCḤ, P»PëCëPµ
CıPeC%oPs PïPsC,PµPSC†C-PMᵉPSP° PePsCḤPëCíC,CH PrP»Cı PjP°C,PµCḤC-
PïPµCḤPµPIPëC%oCfC” PïPsC,PµPSC†C-PMᵉPSC- CḤPëP·PëPePë, PIPeP»CḤC†PSPs P·
CḤPëP·PëPeP°PjPë PrP»Cı PrPëC,PëPSPë, CıPeP° PïPµCḤPµP±CfPIP°C” PSP° PıCḤCfPrPSPsPjCf
PIPëPıPsPrPsPICfPIP°PSPSC-.

*PαPµCḤC,PëP»CḤPSC-CíC,CH. P”P°PSPëC... C%oPsPrPs PIPïP»PëPICf
P»C-PeP°CḤCíCḤPePsPıPs P·P°CíCfPsP±Cf P·PSC,PµCḤPsP¶PµCḤPjC-PSP°^B PαPsCḤC,Pµ PSP°
C,,PµCḤC,PëP»CḤPSC-CíC,CH P»CḤPrPëPSPë PSPµPjP°C”.*

*P—PrP°C,PSC-CíC,CH PIPïP»PëPIP°C,Pë PSP° CëPIPëPrPeC-CíC,CH CḤPµP°PeC†C-C— PıCḤPë
PePµCḤC¿PIP°PSPSC- P°PIC,PsC,CḤP°PSCíPıPsCḤC,PsPj P°P±Ps C-PSCëPëPjPë
PjPµC...P°PSC-P·PjP°PjPë.B B B*

P·PSC,PµCḤPsP¶PµCḤPjC-PSP°^B PαPsCḤC,Pµ PSPµ PIPïP»PëPIP°C” PSP° P·PrP°C,PSC-CíC,CH
PePµCḤCfPIP°C,Pë C,CḤP°PSCíPıPsCḤC,PSPëPjPë P·P°CíCfPsP±P°PjPë C,P° PıCḤP°C†CḤPIP°C,Pë
P·C-PSCëPëPjPë PjPµC...P°PSC-P·PjP°PjPë.

PŸPïPsCíC-P± P·P°CíC,PsCíC¿PIP°PSPSCı C,P° PrPsP·Pë.

P’PjC-CíC, C,,P»P°PePsPSP° PıCḤPëPMᵉPjP°CḤC,CH P±PµP· CḤPsP·PIPµPrPµPSPSCı P°P±Ps
CḤPsP·PIPsPrCıC,CH Cf PIPsPrC- C†Pë C-PSCëPëC... PSP°PıPsCıC... (PSP°PıCḤPëPeP»P°Pr Cf
PjPsP»PsC†C-, C†P°C— P°P±Ps Pı P°PıPµP»CḤCíPëPSPsPIPsPjCf CíPsPeCf). PıPµPMᵉ
P»C-PeP°CḤCíCḤPePëPMᵉ P·P°CíC-P± PıCḤPëP·PSP°C†PµPSPëPMᵉ P»PëCëPµ PrP»Cı
PïPµCḤPsCḤP°P»CḤPSPsPıPs P·P°CíC,PsCíCfPIP°PSPSCı. PkPµ PIPıPsPrPëC,Pë
PïP°CḤPµPSC,PµCḤP°P»CḤPSPs C- PSPµ P·P°CíC,PsCíCfPICfPIP°C,Pë C-PSCëPëPj
CfPıPsCfPsP±PsPj.

P”PsP·P° PrP»Cı PrPsCḤPsCíP»PëC... BḤ” 5 PjP» (1 C,,P»P°PePsPS) PSP° PrPsP±Cf.

*P”C-C,Pë. PµCḤPµPïP°CḤP°C, PjPsP¶PSP° P·P°CíC,PsCíCfPICfPIP°C,Pë PrC-C,CıPj PIC-PePsPj
PIC-Pr 28 PrPSC-Pı. PµCḤPµPïP°CḤP°C, P·P°CíC,PsCíCfPICfCḤC,CH PSPµPjPsPIP»CıC,P°Pj C-
PrC-C,CıPj Cf PrPsP·C- 5 PjP» (1 C,,P»P°PePsPS) PSP° PrPsP±Cf.*

PŸPµCḤPjC-PSB P»C-PeCfPIP°PSPSCıB PICíC,P°PSPsPIP»CḤC” P»C-PeP°CḤ P·P°P»PµP¶PSPs
PIC-Pr CíC,P°PSCf PïP°C†C-C”PSC,P° C,P° PïPµCḤPµP±C-PıCf P·P°C...PIPSCḤCḤPIP°PSPSCı:

- P»C-PeCfPIP°PSPSCl C,P° PíCfPSc,,C-P»P°PeC,PëPeP° PrPëCfP±P°PeC,PµCfC-PsP·Cf PePëCëPµC±PSPëPeCf C,P° PíPsPIBf™ CllP·P°PSPsPiPs P· PSPëPj PµPSPPrPsPiPµPSPSPsPiPs PrPëCfPIC-C,P°PjC-PSPsP·Cf Bf“ 5Bf“7 PrPSC-PI;

- PrPsPiPsPjC-P¶PSP° C,PµCfP°PíC-Cll, CíPíCfCllPjPsPIP°PSP° PSP° PIC-PrPSPsPIP»PµPSPSCl PSPsCfPjP°P»CHPSPsC— PjC-PeCfPSc,,P»PsCfPë PePëCëPµC±PSPëPeCf, C°Ps PíPsCfCfCëCfC”C,CHCfCll PíC-Pr C±P°Cf P»C-PeCfPIP°PSPSCl P°PSC,PëP±C-PsC,PëPeP°PjPë P°P±Ps C...C-PjC-PsC,PµCfP°PíPµPIC,PëC±PSPëPjPë PíCfPµPíP°CfP°C,P°PjPë Bf“ PíCfPSc,CllPiPsPj P°PSC,PëP±C-PsC,PëPePsC,PµCfP°PíC-C— (Cf CíPµCfPµPrPSCfPsPjCf 5Bf“10 PrPSC-PI);

- PiPsCfC,CfC- C,P° C...CfPSPSC-C±PSC- CëP»CfPSPePsPIPs-PePëCëPePsPIC- P·P°C...PIPScfCfPIP°PSPSCl Cf PSPµPjPsPIP»CllC,, PíPsPIBf™ CllP·P°PSC- P· C-PSC,PsPeCfPëPeP°CfC-C”Cf P°P±Ps PrPëCfP±P°PeC,PµCfC-PsP·PsPj PePëCëPµC±PSPëPeCf C,P° PrPëCfPIC-C,P°PjC-PSPsP·PsPj: PiPsCfC,CfC- Bf“ 5Bf“7 PrPSC-PI, C...CfPSPSC-C±PSC- Bf“ PrPs 30 PrPSC-PI.B B B B B

PµPµCfPµPrPsP·CzPIP°PSPSCl.

PµCfPs PIPëPíP°PrPePë PíPµCfPµPrPsP·CfPIP°PSPSCl PSPµ PíPsPIC-PrPsPjP»CllP»PsCfCll.

PµPsP±C-C±PSC- CfPµP°PeCfC-C—.

PµPsP±C-C±PSC- CfPµP°PeCfC-C—, PíPsPIC-PrPsPjP»PµPSPSCl PíCfPs CllPeC- P±CfP»Ps PsC,CfPëPjP°PSPs PíC-Pr C±P°Cf P·P°CfC,PsCfCfPIP°PSPSCl PíCfPµPíP°CfP°C,Cf P·PSC,PµCfPsP¶PµCfPjC-PSP°^{B®} P»PsCfC,Pµ, PíPµCfPµCfP°C...PsPIP°PSPs PSPëP¶C±Pµ PIC-PrPíPsPIC-PrPSPs PrPs PeP»P°CfCf CíPëCfC,PµPj PsCfPíP°PSC-PI C- C±P°CfC,PsC,Pë PIPëPSPëPePSPµPSPSCl: PrCfP¶Pµ C±P°CfC,C- (≥ 1/10); C±P°CfC,C- (≥ 1/100, < 1/10); PSPµC±P°CfC,C- (≥ 1/1000, < 1/100); CfC-PrPeC-CfPSC- (≥ 1/10 000, < 1/1000); PrCfP¶Pµ CfC-PrPeC-CfPSC- (< 1/10 000); C±P°CfC,PsC,P° PSPµPIC-PrPsPjP° (PSPµPjPsP¶P»PëPIPs PsCfC-PSPëC,Pë P·P° PSP°CllPIPSPëPjPë PrP°PSPëPjPë).

P PsP·P»P°PrPë P· P±PsPeCz CëPeC-CfPë C,P° PíC-PrCëPeC-CfPSPëC... C,PeP°PSPëPS

PŞP°CfC,PsC,P° PSPµPIC-PrPsPjP°: CfPµP°PeCfC-C— PíC-PíPµCfC±CfC,P»PëPIPsCfC,C-, PI C,PsPjCf C±PëCfP»C- PIPëCfPëPíP°PSPSCl, PeCfPsPíPëPIBf™ CllPSPeP° C,P° P°PSPiC-PsPSPµPICfPsC,PëC±PSPëPnë PSP°P±CfCllPe.

PfPSC,,PµPeCfC-PnëPSC- C,P° PíP°CfP°P·PëC,P°CfPSC- P·P°C...PIPScfCfPIP°PSPSCl

PŞP°CfC,PsC,P° PSPµPIC-PrPsPjP°: P±P°PeC,PµCfC-C”PjC-Cll, CíPµPíC,PëC±PµPjC-Cll C,P° CíPµPíCfPëCf (Cf PíP°CfC-C”PSC,C-PI P· PsCfP»P°P±P»PµPSPëPj C-PjCfPSC-C,PµC,PsPj P°P±Ps Cf C,CllP¶PePsC...PIPScfPëC... PíP°CfC-C”PSC,C-PI) (PrPëPI. CfPsP·PrC-P» B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSClB»).

PµPsPIC-PrPsPjP»PµPSPSCl PíCfPs PíC-PrPsP·CfCfPIP°PSC- PíPsP±C-C±PSC- CfPµP°PeCfC-C—

Р°РгСҫРµСІР° РјС-СІС†СІ РіСҫРѕРІР°РгР¶РµРѕРѕСІ РгС-СІР»СҫРѕРѕСІС,С-.

Р’СҫСІР»Рµ Р•СгСҫРѕРіР°, 11 вҫ“ 21040 РҫСҫС-РгР¶СҫРѕ (VA), Р†С,Р°Р»»С-СІ.

Р–Р°СІРІРѕРөРө.

РҫРҫР’ В«РҫРіРµР»»Р°Р° РГРµР»»СІРөРµР° РЈРөСҫР°С—РѕР», РЈРөСҫР°С—РѕР°.

**РҫС-СІС†РµР•РѕРѕРѕРѕРѕРѕРѕРѕ Р•Р°РгР¶РµРѕРѕСІ Р•Р°СІРІРѕРөРөР° С,Р° Р№РѕРіРѕ
Р°РгСҫРµСІР° РјС-СІС†СІ РіСҫРѕРІР°РгР¶РµРѕРѕСІ РгС-СІР»СҫРѕРѕСІС,С-.**

РЈРөСҫР°С—РѕР°, 01033, Рј. РҫРөС—РІ, РІСгР». Р-РөР»»СІРѕСІСҫРөР°, 48-50Рҫ.