



PiPsC7C-PIPSCIPSPs P· PiPsC±P°C, PePsPIPsC7C PeC-P»CHPeC-C7C, C7C PI  
C7C, P°C, PëC7C, PëC±PSPs P·PSP°C±C7C%PëPNë C7C PiPsC7C-P± (PIC-Pr 10<sup>9</sup> PrPs 10<sup>12</sup>  
PePsP»PsPSC-C”C7C, PIPsC7C7C PiP°P»CHPSPëC... PsPrPëPSPëC7C7C (P7CJPh)),  
PiPsC±PëPSP°C7C±Pë P· 240 C... PiPëP»PëPSPë PiC-C7C»C7C C-PSPëC7C±P°C7C-C—. PJ  
PrPsC7C»C-PrP7C PiPSPSC-, C7C PePµ PiC7C PiPsPrPëP»PsC7C7C P·P° C7C±P°C7C, C7C 20  
PsC7C-P±, P±C7C»Ps PIC-PrP·PSP°C±PµPSPs, C%Ps C7C P»C7C PrPëPSPë C7C PiPsC7C Pë Bacillus  
clausii PiPsC7C, C-PNëPSPs P7C PëPIC7C, CH C7C PePëC7C PµC±PSPëPeC7C PNë PjPsP7C7C, CH P±C7C, Pë  
PIPëC7C PiP»PµPSC- PI PeP°P»C- PiC7C PsC, C7C PiPsPj PiPµC7C-PsPrC7C PrPs 12 PrPSC-PI  
PiC-C7C»C7C PsPrPSPsC7C P·PsPIPsPiPs PiPµC7C PsC7C P°P»CHPSPsPiPs PiC7C PëPNëPsPjC7C.

P—P° PiPrC7C PePë PrC-C— *Bacillus clausii* PiC7C Pµ PiP°C7C P°C, PIC-PrPSPs PiP»C7C”  
PePëC7C PePsPIC7C PjC-PeC7C PsC,, P»PsC7C7C, P·PjC-PSPµPSC7C C7C C7C PµP·C7C»CHC, P°C, C-  
C, PµC7C P°PiC-C— P»C-PeP°C7C7C CHPePëPjPë P·P°C7C PsP±P°PjPë, C7C PeC-  
PiC7C PëP·PIPPrC7C, CH PrPs PrPëC7C P±P°PeC, PµC7C-PsP·C7C (C, P°PePsP7C PIC-PrPsPjPsPiPs  
C7C Pe PrPëC7C P±C-PsP·), C7C PePëPNë C, P°PePsP7C PjPsP7C Pµ P±C7C, Pë  
PiPsPiB7C™ C7C P·P°PSPëPNë P·C- C7C»C7C PSPePsPIPs-PePëC7C PePsPiPëPjPë  
C7C PëPjPiC, PsPjP°PjPë, C, P°PePëPjPë C7C Pe PrC-P°C7C PµC7C, P±C-P»CH C7C P7C PiPsC, C-  
C, P° PjPµC, PµPsC7C PëP·Pj (P·PrC7C, C, C7C PePëC7C PµC±PSPëPeC7C). P7C7C-Pj C, PsPiPs,  
P·P° PiPrC7C PePë P·PrP°C, PSPsC7C, C- *Bacillus clausii* C7C PëPSC, PµP·C7C PiP°C, Pë C7C-P·PSC-  
PIC-C, P°PjC-PSPë, PsC7C PsP±P»PëPiPs PiC7C7C PiPë P’, PiC7C Pµ PiP°C7C P°C, C7C PiC7C PëC7C”  
PePsC7C PµPeC7C-C— PrPëC7C PIC-C, P°PjC-PSPsP·C7C, C7C PiC7C PëC±PëPSPµPSPsPiPs  
P·P°C7C, PsC7C7C PiP°PSPSC7C Pj P°PSC, PëP±C-PsC, PëPeC-PI P°P±Ps  
C...C-PjC-PsC, PµC7C P°PiPµPIC, PëC±PSPëC... PiC7C Pµ PiP°C7C P°C, C-PI. P—P° PiPrC7C PePë  
PjPµC, P°P±PsP»C-C±PSC-PNë P°PeC, PëPiPSPsC7C, C- *Bacillus clausii* P·P°C7C, PsC7C7C PiP°PSPSC7C  
PiC7C Pµ PiP°C7C P°C, C7C PrPsP·PIPPrC7C»C7C” PrPsC7C7C PiC, Pë PSPµC7C PiPµC7C PëC,, C-C±PSPsPiPs  
P°PSC, PëPiPµPSPSPsPiPs C, P° P°PSC, PëC, PsPeC7C PëC±PSPsPiPs PµC,, PµPeC, C7C.

P—P° PiPrC7C PePë PiPëC7C PsPeC-PNë C7C PµP·PëC7C, PµPSC, PSPsC7C, C- PrPs C...C-PjC-C±PSPëC...  
C- C,, C-P·PëC±PSPëC... P°PiPµPSC, C-PI C7C PiPsC7C Pë *Bacillus clausii* PiC7C PsC...PsPrC7C, CH  
PSPµC7C PePsPrP7C PµPSPëPjPë PeC7C-P·CH P±P°C7C7C” C7C C7C»C7C PSPePsPIPsPiPs C7C PsPeC7C  
PI PePëC7C PµC±PSPëPNë C, C7C P°PeC,, PrPµ PIPsPSPë PiPµC7C PµC, PIPsC7C7C7C, CHC7C7C PI  
PjPµC, P°P±PsP»C-C±PSPs P°PeC, PëPiPSC- PiPµPiPµC, P°C, PëPiPSC- PeP»C-C, PëPSPë.

PJ PrPIPsC... PIC-PrPeC7C PëC, PëC... C7C P°PSPrPsPjC-P·PsPiP°PSPëC...  
PePsPSC, C7C PsP»CHPsPiP°PSPëC... PeP»C-PSC-C±PSPëC... PrPsC7C»C-PrP7C PµPSPSC7C...  
P»C-PeP°C7C7C CHPePëPNë P·P°C7C-P± P·PSC, PµC7C PsP7C PµC7C PjC-PSP°<sup>B</sup>  
PiC7C PsPrPµPjPsPSC7C, C7C7C PiP°PI P·PSPëP7C PµPSPSC7C C, C7C PëPiP°P»PsC7C, C-  
PiPsC7C, C7C PsC— PrC-P°C7C PµC— C7C PrC-C, PµPNë PIC-PePsPj PIC-Pr 6 PjC-C7C7C7C-C-PI.

P—P° C7C PjPsPiPë PiC7C PëPNëPsPjC7C PiC-Pr C7C P°C7C P»C-PeC7C PiP°PSPSC7C  
P°PSC, PëP±C-PsC, PëPeP°PjPë C, P° PiC7C PsC, C7C PiPsPj PSP°C7C, C7C PiPSPëC... 7B7C”10 PrPSC-PI  
P·PSC, PµC7C PsP7C PµC7C PjC-PSP°<sup>B</sup> PiC7C PsPrPµPjPsPSC7C, C7C7C PiP°P»P° P·PSPëP7C PµPSPSC7C  
C7C P°C7C, PsC, Pë P±PsP»C7C PI P7C PëPiPsC, C- C, P° PrC-P°C7C PµC—, PiPsPiB7C™ C7C P·P°PSPëC... P·  
P»C-PeC7C PiP°PSPSC7C Pj P°PSC, PëP±C-PsC, PëPeP°PjPë.

P”Ps PiC7C PsC7C PiPµPeC, PëPiPSPsPiPs PsP±C7C PµC7C PiP°C7C-PNëPSPsPiPs  
P±P°PiP°C, PsC7C PµPSC, C7C PsPIPsPiPs PrPsC7C»C-PrP7C PµPSPSC7C P±C7C»Ps P·P°P»C7C±PµPSPs  
261 PiP°C7C-C”PSC, P° PrP»C7C PsC7C-PSPëPë P·P°C7C, PsC7C7C PiP°PSPSC7C  
PiC7C PsP±C-PsC, PëPeP° *Bacillus clausii* PI C7C PµP°P»CHPSPëC... C7C PjPsPiP°C... PiC7C Pë  
C, P°PePëC... C7C PëPjPiC, PsPjP°C..., C7C Pe PrC-P°C7C PµC7C, P±C-P»CH C7C P7C PiPsC, C-  
P·PrC7C, C, C7C P7C PëPiPsC, P°, PjPµC, PµPsC7C PëP·Pj, P·P°PiPsC7C C, P°

P°P±PrPsPjC-PSP°P»CHbPSPëPNë PrPëCfPePsPjC,,PsCfC,, PhCtC-PSPeP°  
PïCfPSPsPPrPëP»P°CfCf PSP° PsCfPSPsPIC- P°PSPePµC,CfPIP°PSPSCf PïP°CtC-C"psc,C-PI,  
CfPePµ P·PrC-PNëCfPSCfPIP°P»Pë C,,P°CfPjP°CtPµPIC,Pë PïPµCfPµPr PïPsCtP°C,PePsPj  
PïCfPëPNëPsPjCf PïCfPµPïP°CfP°C,Cf C,P° CtPµCfPµP· 30 PrPSC-PI PïC-CfP»Cf PNëPsPis  
P·P°CfC,PsCfCfPIP°PSPSCf.

PµP°CtC-C"psc,Pë PïPsPIC-PrPsPjPëP»Pë, C%oPs PïCfPëPNëPjP°P»Pë PïCfPµPïP°CfP°C,  
PïPµCfPµPIP°P¶PSPs PrP»Cf P»C-PeCfPIP°PSPSCf PrC-P°CfPµC— (56,7 %  
PïP°CtC-C"psc,C-PI); P°P±PrPsPjC-PSP°P»CHbPSPsPis P±PsP»Cf (13,41 %) C,P° P·PrCfC,C,Cf  
P¶PëPisC,P° (12,64 %).

PÿPµCfPµPrPSCf C,CfPëPIP°P»C-CfC,Ch P»C-PeCfPIP°PSPSCf CfC,P°PSPsPïPëP»P° 7,1  
PrPSCf. PµPsPeCfP°C%oPµPSPSCf CfPëPjPïC,PsPjC-PI PïP°CtC-C"psc,Pë  
PIC-PrP·PSP°CtP°P»Pë PI CfPµCfPµPrPSCfPsPjCf CtPµCfPµP· C,CfPë PrPSC-  
P·P°CfC,PsCfCfPIP°PSPSCf P»C-PeP°CfCfChPePsPis P·P°CfPsP±Cf. PµC-CfP»Cf  
P·P°PIPµCfCfPµPSPSCf P»C-PeCfPIP°PSPSCf 95 % PïP°CtC-C"psc,C-PI PIC-PrP·PSP°CtPëP»Pë  
P·PjPµPSCfPµPSPSCf PrC-P°CfPµC—, P° 97 % вf“ PïPsCfP»P°P±P»PµPSPSCf  
P°P±PrPsPjC-PSP°P»CHbPSPsPis P±PsP»Cf.

P—P°P·PSP°CtPµPSC- PSPëP¶CtPµ 2 PsCfPSPsPIPSC- PIP»P°CfC,PëPisCfC,C- *Bacillus clausii*  
CfPïCfPëCfCfC,Ch PIC-PrPSPsPIP»PµPSPSCf PePëCfPePsPisC—  
P±P°PeC,PµCfC-P°P»CHbPSPsC— C,,P»PsCfPë.

*PtPSPiC-P±CzPIP°PSPSCf P·CfPSCfC,P°PSPSCf PïP°C,PsPipµPSPSPëC... P±P°PeC,PµCfC-PNë*

PÿCfChPsPjP° PNëPjPsPIC-CfPSPëPjPë PjPµC...P°PSC-P·PjP°PjPë PrC-C— *B. clausii* C":  
PePsP»PsPSC-P·P°CtC-Cf PIC-P»CHbPSPëC... PµPePsP»PsPïC-CtPSPëC... PSC-Cf, C%oPs  
P·P°PïPsP±C-PïP°C" P·CfPSCfC,P°PSPSCf C-PSCfPëC... PjC-PeCfPsPsCfPïP°PSC-P·PjC-PI;  
PePsPSPeCfCfPµPSCtC-Cf P·P° P·Pibf™ CfP·PsPe P· PµPïC-C,PµP»C-P°P»CHbPSPëPjPë  
PeP»C-C,PëPSP°PjPë, C%oPs PsCfPsP±P»PëPis CfC,PsCfCfC" C,ChCfCf CfPïPsCf Cf  
PïPsCtP°C,PePsPIC-PNë C- PïCfPsPjC-P¶PSC-PNë C,,P°P·P°C... PïPµCfPjC-PSP°CtC-C—;  
PIPëCfPsP±P»PµPSPSCf P°PSC,PëP±C-PsC,PëPeC-PI C-/P°P±Ps C,,PµCfPjPµPSC,C-PI, CfPeC-  
CfPµPeCfPµC,CfCfC,ChCfCf PI PePëCfPePsPisPjCf CfPµCfPµPrPsPIPëC%oC-. Pj  
PrPsCfP»C-PrP¶PµPSPSC- *in vitro* CfPïPsCfPë *Bacillus clausii*  
PïCfPSPPrPµPjPsPSCfC,CfCfPIP°P»Pë PIPëCfPsP±P»PµPSPSCf P±P°PeC,PµCfC-PsCtPëPSC-PI  
C- P°PSC,PëP±C-PsC,PëPeC-PI, C,P°PePëC... CfPe PeP»P°CfP·PëPS, P·  
P°PSC,P°PïPsPSC-CfC,PëCtPSPsCf P°PeC,PëPIPSC-CfC,Cf PïCfPSC,Pë  
PïCfP°PjPïPsP·PëC,PëPIPSPëC... P±P°PeC,PµCfC-PNë *Staphylococcus aureus, Clostridium difficile,*  
*Enterococcus faecium.*

*PtPjCzPSPsPjPsPrCzP»CfCfCtP° P°PeC,PëPIPSC-CfC,Ch*

PÿPïPsCfPë *Bacillus clausii*, P·P°CfC,PsCfPsPIP°PSC- PïPµCfPSCfP°P»CHbPSPs, Cf  
PjPsPrPµP»CfC... *in vitro* C,P° *in vivo* PSP° PjPëCfP°C... PïCfPsPrPµPjPsPSCfC,CfCfPIP°P»Pë  
CfC,PëPjCfP»CfPIP°PSPSCf PIPëCfPsP±P»PµPSPSCf C-PSC,PµCfC,,PµCfPsPSCf-PïP°PjPjP°  
C,P° P·P±C-P»CHbCfPµPSPSCf PïCfPsP»C-C,,PµCfP°CtC-C— CD4 T-P»C-PjC,,PsCtPëC,C-PI.

*PαP°CfPjP°PePsPeC-PSPµC,PëPeP°.*

PµCfPµPïP°CfP°C, PSPµ PIP·P°C" PjPsPrC-C" P· C,P°PePëPjPë P°PSC,PëP±C-PsC,PëPeP°PjPë:

PiPμPSC-C†PëP»C-PS PiCḡPë P·P°CÍC,PsCÍCÍPIP°PSPSC- PSPμ PI PePsPjP±C-PSP°C†C-C— P·  
C-PSPiC-P±C-C,PsCḡP°PjPë P±PμC,P°-P»P°PeC,P°PjP°P·Pë, C†PμC,,P°P»PsCÍPiPsCḡPëPSPë  
(C†P°CÍC,PePsPIP° CḡPμP·PëCÍC,PμPSC,PSC-CÍC,CH C† P±C-P»CHC€PsCÍC,C-  
PIPëPiP°PrPeC-PI), C,PμC,CḡP°C†PëPeP»C-PSPë, PjP°PeCḡPsP»C-PrPë,  
P°PjC-PSPsPiP»C-PePsP·PëPrPë (P·P° PIPëPSCÍC,PePsPj PiPμPSC,P°PjC-C†PëPSC† C-  
P°PjC-PeP°C†PëPSC†), C...P»PsCḡP°PjC,,PμPSC-PePsP», C,C-P°PjC,,PμPSC-PePsP»,  
P»C-PSPePsPjC-C†PëPS, PeP»C-PSPrP°PjC-C†PëPS, C-P·PsPSC-P°P·PëPr,  
C†PëPeP»PsCÍPμCḡPëPS, PSPsPIPsP±C-PsC†PëPS, CḡPëC,,P°PjPiC-C†PëPS,  
PSP°P»C-PrPëPeCÍPsPIP° PePëCÍP»PsC,P° C- PiC-PiPμPjC-PrPsPIP° PePëCÍP»PsC,P°  
(PiCḡPsPjC-P¶PSP° CḡPμP·PëCÍC,PμPSC,PSC-CÍC,CH), PjPμC,CḡPsPSC-PrP°P·PsP».

PḡCḡC-Pj C,PsPiPs, P·P°PIPrCÍPePë P·PrP°C,PSPsCÍC,C- *Bacillus clausii*  
CÍPëPSC,PμP·C†PIP°C,Pë CḡC-P·PSC- PIC-C,P°PjC-PSPë, PsCÍPsP±P»PëPIPs PiCḡC†PiPë  
P', PiCḡPμPiP°CḡP°C, CÍPiCḡPëCÍC” PePsCḡPμPeC†C-C—  
PrPëCÍPIC-C,P°PjC-PSPsP·C†, CÍPiCḡPëC†PëPSPμPSPsPiPs  
P·P°CÍC,PsCÍCÍPIP°PSPSCÍPj P°PSC,PëP±C-PsC,PëPeC-PI P°P±Ps  
C...C-PjC-PsC,PμCḡP°PiPμPIC,PëC†PSPëC... PiCḡPμPiP°CḡP°C,C-PI.

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

***PμPsPeP°P·P°PSPSCÍ.***

P>C-PeC†PIP°PSPSCÍ C,P° PiCḡPsC,,C-P»P°PeC,PëPeP° PrPëCÍP±P°PeC,PμCḡC-PsP·C†  
PePëC€PμC†PSPëPeC† C,P° PiPsPiBḡ™ CÍP·P°PSPsPiPs P· PSPëPj PμPSPrPsPiPμPSPSPsPiPs  
PrPëCÍPIC-C,P°PjC-PSPsP·C†.

PÿPμCḡP°PiC-CÍ, CÍPiCḡCÍPjPsPIP°PSP° PSP° PIC-PrPSPsPIP»PμPSPSCÍ  
PSPsCḡPjP°P»CHPSPsC— PjC-PeCḡPsC,,P»PsCḡPë PePëC€PμC†PSPëPeC†, C%Ps  
PiPsCḡC†C€C†C”C,CHCÍCÍ PiC-Pr C†P°CÍ P»C-PeC†PIP°PSPSCÍ P°PSC,PëP±C-PsC,PëPeP°PjPë  
P°P±Ps C...C-PjC-PsC,PμCḡP°PiPμPIC,PëC†PSPëPjPë PiCḡPμPiP°CḡP°C,P°PjPë.

P”PsCÍC,CḡC- C,P° C...CḡPsPSC-C†PSC- C€P»C†PSPePsPIPs-PePëC€PePsPIC-  
P·P°C...PIPsCḡCḡPIP°PSPSCÍ, PiPsPiBḡ™ CÍP·P°PSC- P· C-PSC,PsPeCÍPëPeP°C†C-C”Cḡ P°P±Ps  
PrPëCÍP±P°PeC,PμCḡC-PsP·PsPj PePëC€PμC†PSPëPeC† C,P° PrPëCÍPIC-C,P°PjC-PSPsP·PsPj, C†  
PSPμPjPsPIP»CÍC,, CÍPePëC... PiPsPrC†CḡC,CHB PiCḡC†PrPSPëPj PjPsP»PsPePsPj.

***PμCḡPsC,PëPiPsPeP°P·P°PSPSCÍ.***

P”C-PiPμCḡC†C†C,P»PëPIC-CÍC,CH PrPs PrC-CHC†PsC— CḡPμC†PsPIPëPSPë P°P±Ps PrPs  
P±C†PrCH-CÍPePsC— P· PrPsPiPsPjC-P¶PSPëC... CḡPμC†PsPIPëPS PiCḡPμPiP°CḡP°C,C†.

***P’P·P°C”PjPsPrC-CÍ P· C-PSC€PëPjPë P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P°  
C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PNë.***

P”°PSPëC... PiCḡPs PIP·P°C”PjPsPrC-Cḡ PiCḡPμPiP°CḡP°C,C† P· C-PSC€PëPjPë  
P»C-PeP°CḡCÍCHPePëPjPë P·P°CÍPsP±P°PjPë PSPμPjP°C”.

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

PJ C,,P»P°PePsPSP°C... P· PiCÍPµPiP°CÍP°C,PsPj P·PSC,PµCÍPµP¶PµCÍPjC-PSP°  
PjPsP¶P»PëPIP° PSP°CÍPIPSC-CÍC,Ch PIPëPrPëPjPëC... C±P°CÍC,PsC±PsPe, C%°Ps  
CÍC,PIPsCÍPµCÍC,ChCÍCÍ PIPSP°CÍP»C-PrPsPe P°PiCÍPµPiP°C†C-C— CÍPiPsCÍ Bacillus  
clausii C,P°, PIC-PrPiPsPIC-PrPSPs, PSPµ CÍPIC-PrC±P°C,Ch PiCÍPs C,Pµ, C%°Ps  
PiCÍPµPiP°CÍP°C, P·P°P·PSP°PI P±CÍPrCh-CÍPePëC... P·PjC-PS.

PµPµCÍPµPr P·P°CÍC,PsCÍCÍPIP°PSPSCÍPj C,,P»P°PePsPS CÍP»C-Pr CÍC,ChCÍCÍPëC,Pë.

PµCÍPµPiP°CÍP°C, PjP°C” PIPëCÍPsPePëPµ CÍC,CÍPiC-PSCh PiPµC,PµCÍPµP»PsPiC-C±PSPsC—  
CÍPµP·PëCÍC,PµPSC,PSPsCÍC,C- PrPs P°PSC,PëP±C-PsC,PëPeC-PI, C%°Ps PrP°C” P·PjPsPiCÍ  
P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PµPsPiPs CÍPe PrP»CÍ PiCÍPsC,,C-P»P°PeC,PëPePë P·PjC-PSPë  
PjC-PeCÍPsC,,P»PsCÍPë PePëC€PµC±PSPëPeCÍ, CÍPiCÍPëC±PëPSPµPSPsC—  
CÍPµP»PµPeC,PëPIPsCÍ PrC-C”C P°PSC,PëP±C-PsC,PëPeC-PI (PsCÍPsP±P»PëPIPs  
P°PSC,PëP±C-PsC,PëPeC-PI C€PëCÍPsPePsPiPs CÍPiPµPeC,CÍP° PrC-C—), C,P°Pe C- PrP»CÍ  
PIC-PrPSPsPIP»PµPSPSCÍ PIP¶Pµ PiPsCÍCÍC€PµPSPsPiPs P±P°P»P°PSCÍCÍ  
PjC-PeCÍPsC,,P»PsCÍPë PePëC€PµC±PSPëPeCÍ.

PíPeC%°Ps PiCÍPµPiP°CÍP°C, PiCÍPëP·PSP°C±P°CÍC,Ch PsPrPSPsC±P°CÍPSPs P·  
P°PSC,PëP±C-PsC,PëPeP°PjPë, PµPsPiPs CÍP»C-Pr P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PjC-P¶  
PrPIPsPjP° PiCÍPëPµPsPjP°PjPë P°PSC,PëP±C-PsC,PëPeP°.

PiPµPµ P»C-PeP°CÍCÍChPePëPµ P·P°CÍC-P± PiCÍPëP·PSP°C±PµPSPëPµ PIPëPSCÍC,PePsPIPs  
PrP»CÍ PiPµCÍPµCÍP°P»ChPSPsPiPs P·P°CÍC,PsCÍCÍPIP°PSPSCÍ.  
P—P°P±PsCÍPµPSCÍC”C,ChCÍCÍ PIPiPsPrPëC,Pë PiCÍPµPiP°CÍP°C,  
C-PSBÍ™C”PeC†C-PµPSPëPj P°P±Ps P±CÍPrCh-CÍPePëPj C-PSC€PëPj C€P»CÍC...PsPj.  
PµPµPePsCÍPµPeC,PSPµ P·P°CÍC,PsCÍCÍPIP°PSPSCÍ C†ChPsPiPs P»C-PeP°CÍCÍChPePsPiPs  
P·P°CÍPsP±CÍ PiCÍPëP·PIPsPrPëP»Ps PrPs PIPëPSPëPePSPµPSPSCÍ C,CÍP¶PePëC...  
P°PSP°C,,C-P»P°PeC,PëC±PSPëC... CÍPµP°PeC†C-Pµ, C,P°PePëC... CÍPe  
P°PSP°C,,C-P»P°PeC,PëC±PSPëPµ C€PsPe.

**P°PeC,PµCÍC-C”PjC-CÍ C,P° CÍPµPiCÍPëCÍ**

PµC-Pr C±P°CÍ PiPsCÍC,PjP°CÍPePµC,PëPSPiPsPIPsPiPs P·P°CÍC,PsCÍCÍPIP°PSPSCÍ  
CÍPiPsCÍC,PµCÍC-PiP°P»PëCÍCÍ PIPëPiP°PrPePë P±P°PeC,PµCÍC-C”PjC-C—,  
CÍPµPiC,PëC†PµPjC-C— C,P° CÍPµPiCÍPëCÍCÍ CÍ PiP°C†C-C”PSC,C-PI P·  
PsCÍP»P°P±P»PµPSPëPj C-PjCÍPSC-C,PµC,PsPj P°P±Ps CÍ C,CÍP¶PePsC...PIPsCÍPëC...  
PiP°C†C-C”PSC,C-PI, P° C,P°PePsP¶ CÍ PSPµPrPsPSPsC€PµPSPëC... PrC-C,PµPµ. Pj  
PrPµCÍPePëC... C...PIPsCÍPëC... CÍ C,CÍP¶PePsPjCÍ CÍC,P°PSC- CÍPµP·CÍP»ChC,P°C, P±CÍPI  
P»PµC,P°P»ChPSPëPj. PiPëPj PiCÍCÍPiP°Pj PiP°C†C-C”PSC,C-PI CÍP»C-Pr CÍPSPëPeP°C,Pë  
P·P°CÍC,PsCÍCÍPIP°PSPSCÍ P»C-PeP°CÍCÍChPePsPiPs P·P°CÍPsP±CÍ  
P·PSC,PµCÍPµP¶PµCÍPjC-PSP°<sup>B</sup> (PrPëPI. CÍPµP·PrC-P» B«PµPsP±C-C±PSC-  
CÍPµP°PeC†C-C—B»).

P—P°CÍC,PsCÍCÍPIP°PSPSCÍ Cz PiPµCÍC-PsPr PIP°PiC-C,PSPsCÍC,C- P°P±Ps  
PiPsPrCzPIP°PSPSCÍ PiCÍCzPrCÍ.

*P°P°PiC-C,PSC-CÍC,CH. P°P°P°CÍC,CrP°PSC- PrP°PSC- C°PsPrPs P·P°CÍC,PsCÍCíPIP°PSPSCII PíCĤPµPíP°CĤP°C,Cr P·PSC,PµCĤPsP¶PµCĤPjC-PSP°<sup>B</sup> PIP°PiC-C,PSPëPj P¶C-PSPeP°Pj C" PsP±PjPµP¶PµPSPëPjPë, C,PsPjCr PSPµ PjPsP¶PSP° P·CĤPsP±PëC,Pë PIPëCÍPSPsPIPsPe C°PsPrPs P±PµP·PíPµPePë P·P°CÍC,PsCÍCíPIP°PSPSCII P»C-PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±Cr PíC-Pr C±P°CÍ PIP°PiC-C,PSPsCÍC,C-.*

*P»C-PeP°CĤCÍCHPePëPµ P·P°CÍC-P± P·PSC,PµCĤPsP¶PµCĤPjC-PSP°<sup>B</sup> PjPsP¶PSP° P·P°CÍC,PsCÍPsPICíPIP°C,Pë PíC-Pr C±P°CÍ PIP°PiC-C,PSPsCÍC,C- P»PëCëPµ Cr CĤP°P·C-, PePsP»Pë PíPsC,PµPSC†C-PM°PSP° PePsCĤPëCÍC,CH PrP»CII PIP°PiC-C,PSPsC— PíPµCĤPµPIPëC°CrC" PíPsC,PµPSC†C-PM°PSC- CĤPëP·PëPePë, PIPeP»CĤC±PSPs P·CĤPëP·PëPeP°PjPë PrP»CII PíP»PsPrP°.*

*PµPµCĤC-PsPr PíCĤCáPrPSPsPiPs PíPsPrCáPIP°PSPSCII. P°P°P°CÍC,CrP°PSC- PrP°PSC- C°PsPrPs P·P°CÍC,PsCÍCíPIP°PSPSCII PíCĤPµPíP°CĤP°C,Cr P·PSC,PµCĤPsP¶PµCĤPjC-PSP°<sup>B</sup> Pí PíPµCĤC-PsPr P»P°PeC,P°C†C-C—, P° CÍP°PjPµ C°PsPrPs PSP°CIIPIPSPsCÍC,C- PíCĤPµPíP°CĤP°C,Cr Cr PíCĤCíPrPSPsPjCr PjPsP»PsC†C- C,P° PIPíP»PëPICí PSP° PSPµPjPsPIP»CII, C" PsP±PjPµP¶PµPSPëPjPë, C,PsPjCr PSPµ PjPsP¶PSP° P·CĤPsP±PëC,Pë PIPëCÍPSPsPIPePë C°PsPrPs P±PµP·PíPµPePë P·P°CÍC,PsCÍCíPIP°PSPSCII PíCĤPµPíP°CĤP°C,Cr Pí PíPµCĤC-PsPr PíCĤCíPrPSPsPiPs PíPsPrCíPIP°PSPSCII.*

*P»C-PeP°CĤCÍCHPePëPµ P·P°CÍC-P± P·PSC,PµCĤPsP¶PµCĤPjC-PSP°<sup>B</sup> PjPsP¶PSP° P·P°CÍC,PsCÍPsPICíPIP°C,Pë Pí PíPµCĤC-PsPr PíPsPrCíPIP°PSPSCII PíCĤCíPrCHPjPë, P»PëCëPµ CIIPeC°Ps PíPsC,PµPSC†C-PM°PSP° PePsCĤPëCÍC,CH PrP»CII PjP°C,PµCĤC- PíPµCĤPµPIPëC°CrC" PíPsC,PµPSC†C-PM°PSC- CĤPëP·PëPePë, PIPeP»CĤC±PSPs P·CĤPëP·PëPeP°PjPë PrP»CII PrPëC,PëPSPë, CIIPeP° PíPµCĤPµP±CíPIP°C" PSP° PíCĤCíPrPSPsPjCr PIPëPiPsPrPsPICíPIP°PSPSC-.*

*P»PµCĤC,PëP»CHPSC-CÍC,CH. P°P°PSPëC... C°PsPrPs PIPíP»PëPICí P»C-PeP°CĤCÍCHPePsPiPs P·P°CÍPsP±Cr P·PSC,PµCĤPsP¶PµCĤPjC-PSP°<sup>B</sup> PSP° C„PµCĤC,PëP»CHPSC-CÍC,CH P»CĤPrPëPSPë PSPµPjP°C".*

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

*PkPµ PIPíP»PëPIP°C".*

***PŸPíPsCÍC-P± P·P°CÍC,PsCÍCáPIP°PSPSCII C,P° PrPsP·Pë.***

*P°P°CĤPsCÍP»PëPj BĤ" PíPs 1 C„P»P°PePsPSCr 2BĤ"3 CĤP°P·Pë PSP° PrPsP±Cr; PrC-C,CII Pj PIC-PePsPj PIC-Pr 28 PrPSC-PI PrPs 18 CĤPsPeC-PI BĤ" PíPs 1 C„P»P°PePsPSCr 1BĤ"2 CĤP°P·Pë PSP° PrPsP±Cr.*

*PŸPµCĤPjC-PS P»C-PeCíPIP°PSPSCII PICÍC,P°PSPsPIP»CĤC" P»C-PeP°CĤ P·P°P»PµP¶PSPs PIC-Pr CÍC,P°PSCr PíP°C†C-C" PSC,P° C,P° PíPµCĤPµP±C-PíCr P·P°C...PIPSCĤPíP°PSPSCII.*

*PŸCíCíPíPµPSP·C-CH PSPµPsP±C...C-PrPSPs PíCĤPëPµPjP°C,Pë C±PµCĤPµP· PsPrPSP°PePsPIC-*

PiC7PsPjC-P¶PePë C±P°CÍCr (3B7"4 PiPsPrPëPSPë). PµPµC7PµPr P·P°CÍC,PsCÍCrPIP°PSPSC¶Pj  
PIPjC-CÍC, C,,P»P°PePsPSP° CÍC,C7CÍCrPëC,Pë C- PiC7PëPNëPjP°C,Pë  
PSPµC7PsP·PIPµPrPµPSPëPj P°P±Ps C7PsP·PIPµCÍC,Pë Cr PIPsPrC- C±Pë C-PSC€C-PNë  
C7C-PrPëPSC- (PjPsP»PsC†C-, C±P°C-, P°PiPµP»C7CÍCrPëPSPsPIPsPjCr CÍPsPeCr).

PkP°C¶PIPSC-CÍC,C7 PIPëPrPëPjPëC... C±P°CÍC,PsPe Cr C,,P»P°PePsPSC-  
(PIPSP°CÍP»C-PrPsPe P°PiC7PµPiP°C†C-C- CÍPiPsC7) PSPµ PIPiP»PëPIP°C" PSP°  
C¶PeC-CÍC,C7 PiC7PµPiP°C7P°C,Cr.

PjPµPNë P»C-PeP°C7CÍC7PëPëPNë P·P°CÍC-P± PiC7PëP·PSP°C±PµPSPëPNë P»PëC€Pµ PrP»C¶  
PiPµC7PsC7P°P»C7PSPsPiPs P·P°CÍC,PsCÍCrPIP°PSPSC¶. PkPµ PjPsP¶PSP° PIPiPsPrPëC,Pë  
PNëPsPiPs Cr PIPëPiP»C¶PrC- C-PSB7™ C"PeC†C-PNë P°P±Ps C¶PePëPj-PSPµP±C†PrC7  
C-PSC€PëPj CÍPiPsCÍPsP±PsPj.

P"C-C,Pë.

PµC7PµPiP°C7P°C, PjPsP¶PSP° P·P°CÍC,PsCÍPsPIC†PIP°C,Pë PrC-C,C¶Pj PIC-PePsPj PIC-Pr 28  
PrPSC-PI.

### **PµPµC7PµPrPsP·C±PIP°PSPSC¶.**

P"PsC,PµPiPµC7 PSPµ P±C†P»Ps P¶PsPrPSPëC... PiPsPIC-PrPsPjP»PµPSC7 PiC7Ps  
PeP»C-PSC-C±PSC- PiC7PsC¶PIPë PiPµC7PµPrPsP·C†PIP°PSPSC¶ C†PëPj  
PiC7PµPiP°C7P°C,PsPj.

### **PµPsP±C-C±PSC- C7PµP°PeC†C-C-.**

PµPsP±C-C±PSC- C7PµP°PeC†C-C-, C¶PeC- CÍPiPsCÍC,PµC7C-PiP°P»PëCÍC¶ PiC-Pr C±P°CÍ  
P·P°CÍC,PsCÍCrPIP°PSPSC¶ P»C-PeP°C7CÍC7PëPëPsPiPs P·P°CÍPsP±C†  
P·PSC,PµC7PsP¶PµC7PjC-PSP°<sup>B®</sup>, PiPµC7PµC7P°C...PsPIP°PSPs PSPëP¶C±Pµ  
PIC-PrPiPsPIC-PrPSPs PrPs PeP»P°CÍPëC,,C-PeP°C†C-C- CÍPëCÍC,PµPj PsC7PiP°PSC-PI C-  
C±P°CÍC,PsC,Pë PIPëPSPëPePSPµPSPSC¶: PrC†P¶Pµ C±P°CÍC,C- (≥ 1/10); C±P°CÍC,C- (≥ 1/100,  
< 1/10); PSPµC±P°CÍC,C- (≥ 1/1000, < 1/100); C7C-PrPeC-CÍPSC- (≥ 1/10 000, < 1/1000);  
PrC†P¶Pµ C7C-PrPeC-CÍPSC- (< 1/10 000); C±P°CÍC,PsC,P° PSPµPIC-PrPsPjP°  
(PSPµPjPsP¶P»PëPIPs PsC†C-PSPëC,Pë P·P° PSP°C¶PIPSPëPjPë PrP°PSPëPjPë).

P PsP·P»P°PrPë P· P±PsPeC± C€PeC-C7Pë C,P° PiC-PrC€PeC-C7PSPëC... C,PeP°PSPëPS

PSP°CÍC,PsC,P° PSPµPIC-PrPsPjP°: C7PµP°PeC†C-C- PiC-PiPµC7C±C†C,P»PëPIPsCÍC,C-, PI  
C,PsPjCr C±PëCÍP»C- PIPëCÍPëPiP°PSPSC¶, PeC7PsPiPëPIB7™ C¶PSPeP° C,P°  
P°PSPiC-PsPSPµPIC7PsC,PëC±PSPëPNë PSP°P±C7C¶Pe.

P†PSC,,PµPeC†C-PNëPSC- C,P° PiP°C7P°P·PëC,P°C7PSC- P·P°C...PIPc7C7PIP°PSPSC¶

PSP°CÍC,PsC,P° PSPµPIC-PrPsPjP°: P±P°PeC,PµC7C-C" PjC-C¶, CÍPµPiC,PëC†PµPjC-C¶ C,P°  
CÍPµPiCÍPëCÍ (Cr PiP°C†C-C" PSC,C-PI P· PsC†P»P°P±P»PµPSPëPj C-PjCrPSC-C,PµC,PsPj  
P°P±Ps Cr C,C¶P¶PePsC...PIPsC7PëC... PiP°C†C-C" PSC,C-PI) (PrPëPI. C7PsP·PrC-P»

В«PhCfPsp±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCfB»).

PuPsPIC-PrPsPjP»PuPSPSCf PiCfPs PiC-PrPsP·CfCfPIP°PSC- PiPsP±C-CfPSC- CfPuP°PeCfC-C—

PuPsPIC-PrPsPjP»PuPSPSCf PiCfPs PiPsP±C-CfPSC- CfPuP°PeCfC-C— PiC-CfP»CfCf CfPuP°CfC,CfP°CfC-C— P»C-PeP°CfCfCfPePsPiPs P·P°CfPsp±Cf PjP°C” PIP°P¶P»PëPIPu P·PSP°CfPuPSPSCf. P¶Pu PrP°C” P·PjPsPiCf PiCfPsPIPsPrPëC,Pë PjPsPSC-C,PsCfPëPSPi CfPiC-PIPIC-PrPSPsCfPuPSPSCf PePsCfPëCfC,Cf/CfPëP·PëPe PiCfPë P·P°CfC,PsCfCfPIP°PSPSC- CfCfPsPiPs P»C-PeP°CfCfCfPePsPiPs P·P°CfPsp±Cf. P¶PuPrPëCfPSPëPj C,P° C,,P°CfPjP°CfPuPIC,PëCfPSPëPj PiCfP°CfC-PIPSPëPeP°Pj, P° C,P°PePsP¶ PiP°CfC-C”PSC,P°Pj P°P±Ps C—C... P·P°PePsPSPSPëPj PiCfPuPrCfC,P°PIPSPëPeP°Pj CfP»C-Pr PiPsPIC-PrPsPjP»CfC,Pë PiCfPs CfCfC- PIPëPiP°PrPePë PiC-PrPsP·CfCfPIP°PSPëC... PiPsP±C-CfPSPëC... CfPuP°PeCfC-PNë C,P° PIC-PrCfCfC,PSPsCfC,C- PuC,,PuPeC,PëPIPSPsCfC,C- P»C-PeP°CfCfCfPePsPiPs P·P°CfPsp±Cf CfPuP· P¶PIC,PsPjP°C,PëP·PsPIP°PSCf C-PSC,,PsCfPjP°CfC-PNëPSCf CfPëCfC,PuPjCf P· C,,P°CfPjP°PePsPSP°PiP»CfPrCf P·P° PiPsCfPëP»P°PSPSCfPj: <https://aisf.dec.gov.ua>.

**P¶PuCfPjC-PS PiCfPëPrP°C,PSPsCfC,C-. 2 CfPsPePë.**

**PjPjPsPIPë P·P±PuCfC-PiP°PSPSCf.**

P—P±PuCfC-PiP°C,Pë Cf PSPuPrPsCfC,CfPiPSPsPjCf PrP»CfC PrC-C,PuPNë PjC-CfCfC- PiCfPë C,PuPjPiPuCfP°C,CfCfC- PSPu PIPëC%oPu 30 °Pÿ.

P©PsP± CfPSPëPePSCfC,Pë P·P°P±CfCfPrPSPuPSPSCf CfCfCfPiPuPSP·C-C—, PSPu PjPsP¶PSP° PIC-PrPeCfPëPIP°C,Pë C,,P»P°PePsPS P·P°P·PrP°P»PuPiC-PrCf.

**PjPiP°PePsPIPëP°.**

B,,- 10; B,,- 20 (10 × 2): PiPs 5 PjP» Cf C,,P»P°PePsPSC-; PiPs 10 C,,P»P°PePsPSC-PI, P·Bf™C”PrPSP°PSPëC... PjC-P¶ CfPsp±PsCf PiPsP»C-PuC,PëP»PuPSPsPIPsCf PiPuCfPuPjPëCfPePsCf, Cf PeP°CfPuC,C-;B PiPs 1 P°P±Ps 2 PeP°CfPuC,Pë PI PeP°CfC,PsPSPSC-PNë PePsCfPsP±CfC-.

**P¶P°C,PuPiPsCfC-Cf PIC-PrPiCfCfPeCf. P¶Pu· CfPuCfPuPiC,P°.**

**P’PëCfPsP±PSPëPe.**

PhPiPuP»P»P° P¶PuP»CfPePuP° PfC,P°P»C- Pÿ.Cf.P»., PfC,P°P»C-Cf.

**РњС-СГС†РμР·PSP°C...PsPгP¶PμPSPSCЦ PIPëCђPsP±PSPëPεC-PI C,P° P°PгCђPμCГPë  
PjC-СГС†Сђ PïCђPsPIP°PгP¶PμPSPSCЦ C—C... PгC-СЦP»СђPSPsCГC,C-.**

Р'СђСЦP»Pμ P•CгCђPsPïP°, 11 вђ" 21040 PђCђC-PгP¶СђPs (VA), P†C,P°P»C-СЦ.

**Р—P°CЦPIPSPëPε.**

РŷPђP' B«PђPïPμP»P»P° PГPμP»CГPεPμP° PJPεCђP°C—PSP°B», PJPεCђP°C—PSP°.

**РњС-СГС†РμР·PSP°C...PsPгP¶PμPSPSCЦ P·P°CЦPIPSPëPεP° C,P° PN₂PsPiPs  
P°PгCђPμCГP° PjC-СГС†СЦ PïCђPsPIP°PгP¶PμPSPSCЦ PгC-СЦP»СђPSPsCГC,C-.**

PJPεCђP°C—PSP°, 01033, Pj. PђPëC—PI, PICгP». P-PëP»CЦPSCГСђPεP°, 48-50Pђ.