

!" #&/
4;O <548G=>3> 70AB>AC20==O ?@5?0@0BC

!"®
(SENTOR®)

!,:04:

4VNG0 @5G>28=0: ;>70@B0=;

1 B01;5B:0, 2:@8B0 >1>;>=:>N, :0;VN;

4>?>28=8:

04@>: F5;N;>70 :@8AB0;VG=0, :@>E<0;L ?@565;0B8=V7>20=89, =0B@VN :@>A:0@<5;>70, :@5<=VN
4V>:A84 :>;>W4=89 1572>4=89, <03=VN AB50@0B;
>1>;>=:0: >?04@V 1V;89 (3;VF5@>; B@80F5B0B, <0:@>3>;, ;0:B>78 <=>3V4@0B, B8B0=C 4V>:A84, (
171), 3V?@><5;>70).

V:0@AL:0 D>@<0. "01;5B:8, 2:@8BV ?;V2:>2>N >1>;>=:>N.

\$0@<0:>B5@0?52B8G=0 3@C?0. @>ABV ?@5?0@0B8 0=B03>=VABV2 0=3V>B5=78=C .

>4 " C09C A01.

;V=VG=V E0@0:B5@8AB8:8.

>:070==O.

V:C20==O 5A5=V0;L=>W 3V?5@B5=7VW C 4>@>A;8E, 0 B0:>6 4VB59 2V:× 2V4 6 4> 18 @>:V2.

V:C20==O 70E2>@N20==O =8@>: C 4>@>A;8E ?0FVT=V2 V7 3V?5@B5=7VTN V FC:@>28< 4V015B>
< B8?C 7 ?@>B5W=C@VTN ≥ 0,5 3/4>1C O: G0AB8=0 0=B83V?5@B5=782=>W B5@0?VW.

V:C20==O E@>=VG=>W A5@F52>W =54>AB0B=>ABV (C ?0FVT=V2 2V:× 60 @>:V2 B0 AB0@H5),
:>;8 70AB>AC20==O V=3V1VB>@V2 0=3V>B5=78=?5@5B2>@N20;L=>3> D5@<5=BC (\$) 22060TBLAO
=5<>6;828< 7 ?@8G8=8 =5ACABV, >A>1;82> ?@8 :0H;V, 01> ?@>B8?>:070=5. 0FVT=V2 V7 A5@F52>N
=54>AB0B=VABN, AB0= O:8E AB01V;V7C202AO ?@8 70AB>AC20==V V=3V1VB>@0 \$, =5 A;V4
?5@52>48B8 =0 ;V:C20==O ;>70@B0=>3> H;C=>G:0 <0T AB0=>28B8 ≤ 40 %, AB0=<0T 1CB8 ;;V=VG=>
AB01V;L=8<, B0:>6 ?0FVT=B>2V A;V4 4>B@82;5=>3> @5684> E@>=VG=>W A5@F52>W
=54>AB0B=>ABV.

=865==O @878:C @>728B:C V=AC;LBC C 4>@>A;8E ?0FVT=V2 7 0@B5@V0;L=>N 3V?5@B5=7VTN
V 3V?5@B@>DVTN ;V2>3> H;C=>G:0, I> ?V4B25@465=> .

@>B8?>:070==O.

- ?V428I5=0 GCB;82VABL 4> 4VNG>W @5G>28=8 01> 4> 1C4L-O:>3> 7 :×=5=V2 ?@5?0@0BC;
- 203VB=V 01> 6V=:8, O:V ?;0=CNBL 70203VB=VB8 (482. @>74V; «0AB>AC20==O C ?5@V>4
203VB=>ABV 01> 3>4C20==O 3@C44N»);
- B06:V ?>@CH5==O DC=:FVW ?5GV=:8.

!?!>AV1 70AB>AC20==O B0 4>78.

"01;5B:8 ?@8 2AVE ?>:070==OE 70AB>A>2CNBLAO 1 @07 =0 4>1C, 2 >48= V B>9 65 ?5@V>4 4=O.

@5?0@0B <>6=0 70AB>A>2C20B8 =570;56=> 2V4 ?@89>1 A;:O=:>N 2>48.

@B5@V0;L=0 3V?5@B5=7VO.

1V;LH>ABV 28?04:V2 7030;L=>?@89=OB0 ?>G0B:>20 V ?V4B@8 4>70 AB0=>28BL 50<3

1 @07 =0 4>1C. 0:A8<0;L=89 3V?>B5=782=89 5D5:B 4>AO30TBLAO ?VA;O 3-6-B86=52>3> ?@89>@8E
4>7C ?@5?0@0BC <>6=0 71V;LH8B8 4> 100<3 =0 4>1C (2@0=FV).

@5?0@0B <>6=0 70AB>A>2C20B8 C ?>T4=0==V 7 V=H8<8 0=B83V?5@B5=782=8<8 ?@5?0@0B0<8,
>A>1;82> 7 4VC@5B8:0<8 (=0?@8;:04 3V4@>E;>@BV0784<).

@B5@V0;L=0 3V?5@B5=7VO, C B>@8E 7 3V?5@B@>DVTN ;V2>3> H;C=>G:0, ?V4B25@465=>N =0 .

;O 7<5=H5==O @878:C CA::04=5=L V ;5B0;L=>ABV G5@57 A5@F52>-AC48==V 70E2>@N20==O C
E2>@8E 7 0@B5@V0;L=>N 3V?5@B5=7VTN V 3V?5@B@>DVN ;V2>3> H;C=>G:0 7030;L=>?@89=OB0
?>G0B:>20 4>70 AB0=>28BL 50<3 ?@5?0@0BC 1 @07 =0 4>1C. 0;56=> 2V4 73> B8A:C, 4>40NBL
=87L:C 4>7C 3V4@>E;>@BV0784C V/01> 71V;LHCNBL 4>7C ;>70@B0=C 4> 100<3 1 @07 =0 4>1C.
0E8AB =8@>: C E2>@8E 7 FC:@>28< 4V015B>< B8?C (?@>B5W=C@VO ≥ 0,5 3/4>1C)
030;L=>?@89=OB0 ?>G0B:>20 4>70 ?@5?0@0BC AB0=>28BL 50<3 1 @07 =0 4>1C. 0;56=> 2V4 @V2=O
0@B5@V0;L=>3> B8A:C <6=0 ?V428I8B8 >4=>@07>2C 4>1>2C 4>7C 4> 100<3. @5?0@0B <6=0
70AB>A>2C20B8 @07>< 7 V=H8<8 0=B83V?5@B5=782=8<8 ?@5?0@0B0<8 (=0?@8::04 7 4VC@5B8:0
<8, 1;>:0B>@0<8 :0;LFVT28E :0=0;V2, 0;LD0-, 15B0-04@5=>1;>:0B>@0<8 01> 7 ?@5?0@0B0<8
F5=B@0;L=>W 4VW), 0 B0:>6 7 V=AC;V=>< B0 V=H8<8 70A>10<8, O:V 70AB>A>2CNBAO 4;O
;V:C20==O FC:@>2>3> 4V015BC (?>EV4=V AC;LD>=V;A5G>28=8, 3;VB07>=8, V=3V1VB>@8 0;LD0-
3;N:>784078).

!5@F520 =54>AB0B=VABL

;O ;V:C20==O A5@F52>W =54>AB0B=>ABV, ?>G0B:>20 4>70 ?@5?0@0BC: 12,5<3 =0 4>1C. &N 4>7C,
4> 4>AO3=5==O ?V4B@8W 4>78 (50<3 @07 =0 4>1C), A;V4 71V;LHC20B8 7 B86=528< V=B5@20;> 7
C@0EC20==O< B>;5@0=B=>ABV E2>@>3> (B>1B> 12,5<3 =0 4>1C, 25<3 =0 4>1C, 0 ?V7=VH5 50<3
=0 4>1C 01> 100<3 =0 4>1C, 4> <0:A8<0;L=>W 4>78 150<3 =0 4>1C).

!B0=8, I> AC?@>2>46CNBLAO 3V?>2>;5

%2>@8< 7V 7=865=8< 2=CB@VH=L>AC48==8<>1T<><, =0?@8::04, 2=0A;V4>: C2545==O 25;8:8E 4>7
A5G>3V==8E 70A>1V2, @5:><5=4CTBLAO ?>G0B:>20 4>70 ;>70@B0=C 25<3 1 @07 =0 4>1C.

0AB>AC20==O ?0FVT=B0< V7 ?>@CH5==O< DC=:FVW =8@>: B0 ?0FVT=B0<, O:8< ?@>2>4OBL 35
<>4V0;V7.

@8 ?@87=0G5==V ?@5?0@0BC ?0FVT=B0< V7 ?>@CH5==O< DC=:FVW =8@>:, 0 B0:>6 ?0FVT=B0<,
O:8< ?@>2>4OBL 35<>4V0;V7, ?>G0B:>2C :>@5:FVN 4>78 ?@>2>48B8 =5 ?>B@V1=>.

0AB>AC20==O ?0FVT=B0< V7 ?>@CH5==O< DC=:FVW ?5GV=:8.

;O ?0FVT=BV2 V7 ?>@CH5==O< DC=:FVW ?5GV=:8 2 0=0<=57V A;V4 @>73;O=CB8 ?8B0==O I>4>

?@87=0G5==O ?@5?0@0BC C <5=HV9 4>7V. 5<0T 4>A2V4C ;V:C20==O ?0FVT=BV2 V7 BO6:8<8

?>@CH5==O<8 DC=:FVW ?5GV=:8, B>70@B0= ?@>B8?>:070=89 FV9 3@C?V ?0FVT=BV2.

0FVT=B8 ;VB=L>3> 2V:C

/: ?@028;>, =5<0T ?>B@518 C :>@83C20==V ?>G0B:>2>W 4>78 4;O ?0FVT=BV2 ;VB=L>3> 2V:C, E>G0

A;V4 2@0E>2C20B8 <>6;82VABL ?@87=0G5==O ?@5?0@0BC C ?>G0B:>2V9 4>7V 25<3 4;O

?0FVT=BV2 2V:> AB0@H5 75 @>:V2.

VB8

0=V I>4> 5D5:B82=>ABV B0 157?5:8 70AB>AC20==O ;>70@B0=C 4VBO< 2V:> 2V4 6 4> 18 @>:V2

4;O ;V:C20==O 0@B5@V0;L=>W 3V?5@B5=7VW >1<565=V. "0:>6 T<0;> 40=8E I>4> D0@<0>:V=5B8:8

C 4VB59 7 0@B5@V0;L=>N 3V?5@B5=7VTN 2V:> AB0@H5 1

;O 4VB59, O:V <>6CBL :>2B0B8 B01;5B:8, V 2 O:8E <0A0 BV;0 1V;LH520 :3 B0 <5=H5 50 :3, @5:>

<5=4>20=0 4>70 AB0=>28BL 25<3 1 @07 =0 4>1C. # 28=OB:>28E 28?04:0E 4>7C <>6=0 71V;LH8B8 4>

<0:A8<0;L=>W 50<3 1 @07 =0 4>1C. >7C A;V4 :>@83C20B8 70;56=> 2V4 2?;82C =0 @V25=L

0@B5@V0;L=>3> B8A:C.

?0FVT=BV2 7 <0A>N BV;0 ?>=04 50 :3 70728G09 @07>20 4>70 AB0=>28BL 50<3 1 @07 =0 4>1C.

28=OB:>28E 28?04:0E 4>7C <>6=0 71V;LH8B8 4> <0:A8<0;L=>W 100<3 1 @07 =0 4>1C. 0AB>AC20==O

4>7, I> ?5@528ICNBL 1,4<3/:3 (01> 1V;LH5 100<3)=0 4>1C, C 4VB59 =5 282G0;>AO.

>70@B0= =5 @5:><5=4>20=89 4;O 70AB>AC20==O 4VBO< 2V:> <>;>4H5 6 @>:V2, >A:V;L:8 40=8E

I>4> 70AB>AC20==O ?@5?0@0BC C FV9 3@C?V ?0FVT=BV2 =54>AB0B=L>.

@5?0@0B =5 @5:><5=4CTBLAO 70AB>A>2C20B8 4VBO< 7V H284:VABN ;;C1>G:>2>W

DV;LB@0FVW

< 30<;E2/1,73<2, >A:V;L:8 =5<0T 2V4?>2V4=8E 40=8E I>4> 70AB>AC20==O.

>70@B0= B0:>6 =5 @5:><5=4CTBLAO 4;O 70AB>AC20==O 4VBO< V7 ?>@CH5==O< DC=:FVW

?5GV=:8.

@07V =5>1EV4=>ABV ?@87=0G5==O ;>70@B0=C C 4>7V 12,5<3 70AB>A>2CNBL ?@5?0@0B C

2V4?>2V4=>7C20==V.

>1VG=V @50:FVW.

>1VG=>N @50:FVTN, ?@> O:C =09G0ABVH5 ?>2V4><;O;>AO, 1C;> 70?0<>@>G5==O. '0AB>B0
>?>1VG=8E @50:FV9, 2:070=8E =86G5, 287=0G5=0 O:: 4C65 G0AB>: ≥ 1/10; G0AB>: 2V4 ≥ 1/100
4> <1/10; =5G0AB>: 2V4 ≥ 1/1000 4> <1/100; @V4>: 2V4 ≥ 1/10000 4> <1/1000; 4C65 @V4>: <1/10000;
=52V4><> (=5<>6;82> 287=0G8B8 70 VA=CNG8<8 40=8<8).
@B5@V0;L=0 3V?5@B5=7VO.
4>A;V465==OE, 45 4>@>A;V ?0FVT=B8 7 5A5=FV0;L=>N 3V?5@B5=7VTN 2V:× 18 @>:V2 B0
AB0@H5 70AB>A>2C20;8 ;>70@B0=, ?>2V4><;O;>AO ?@> =0ABC?=V ?>1VG=V @50:FVW.
I>:C =5@2>2>W A8AB5<8: G0AB> 70?0<>@>G5==O, 25@B83>; =5G0AB> A>;82VABL, 3>;>2=89
1V;L, 157A>==O, <'O7>2V AC4×8.
I>:C A5@FO: =5G0AB> ?0;L?VB0FVO, AB5=>:0@4VO, B0EV:0@4VO.
I>:C AC48==>W A8AB5<8: =5G0AB> A8<0B8G=0 3V?>B5=7VO (>A>1;82> C ?0FVT=BV2 7
2=CB@VH=L>AC48==>N 453V4@0B0FVTN, =0?@8;;04 ?0FVT=B8 7 B06:>N A5@F52>N
=54>AB0B=VABN 01> ?@8 ;V:C20==V 4VC@5B8:0<8 C 28A>:8E 4>70E), 4>7>70;56=89
>@B>AB0B8G=89 5D5:B, 28A8?.
I>:C B@02=>3> B@0:BC: =5G0AB> 014>@.
I>:C @5A?V@0B>@=>W A8AB5<8: :0H5;L, =568BL, A8=CA8B, D0@8=3VB, V=D5:FVO 25@E=VE
48E0;L=8E H;OE2.
030;L=89 AB0= B0 ?>@CH5==O, ?>2O70=V 7V A?>A>I>< 70AB>AC20==O ?@5?0@0BC: =5G0AB>
0AB5=VO, A;01:VABL, =01@O:8.
01>@0B>@=V ?>:07=8:8. ;V=VG=> 7=0GCIV 7@0B>@=8E ?>:07=8:V2 @V4> 1C;8 ?>2O70=V V7
70AB>AC20==O< B01;5B>; >70@B0=C. V25=L " ?V428IC202AO @V4> V 70728G09 =>@<0;V7C202AO
?VA;O ?@8?8=5==O 70AB>AC20==O ?@5?0@0BC. V?5@:0;VT20BFV :@>2V > 5,5 <<>;L/;)
A?>AB5@V30;0AO C 1,5 % ?0FVT=BV2 7 0@B5@V0;L=>N 3V?5@B5=7VTN.
0FVT=B8 7 3V?5@B@>DVTN ;V2>3> H;C=>G:0 A5@FO.
I>:C =5@2>2>W A8AB5<8: G0AB> 70?0<>@>G5==O.
I>:C >@30=V2 A;CEC B0 ;01V@8=BC: G0AB> 25@B83>.
030;L=89 AB0= B0 ?>@CH5==O, ?>2O70=V 7V A?>A>I>< 70AB>AC20==O ?@5?0@0BC: G0AB>
0AB5=VO/A;01:VABL.
%@>=VG=0 A5@F520 =54>AB0B=VABL
I>:C =5@2>2>W A8AB5<8: =5G0AB> 70?0<>@>G5==O, 3>;>2=89 1V;L; @V4> ?0@5AB57VO.
I>:C A5@FO: @V4> A8=>?5, DV1@8;OFVO ?5@54A5@4L, V=AC;LB.
I>:C AC48==>W A8AB5<8: =5G0AB> 0@B5@V0;L=0 3V?>B5=7VO, 2;;NG0NG8 >@B>AB0B8G=C
3V?>B5=7VN.
I>:C @5A?V@0B>@=>3> B@0:BC, >@30=V2 3@C4=>W ;;VB:8 B0 A5@54>ABV==O: =5G0AB>
48A?=>5.
I>:C B@02=>3> B@0:BC: =5G0AB> 4V0@5O, =C4>B0, 1;N20==O.
I>:C H:V@8 B0 ?V4H:V@=>W ;;VB:>28=8: =5G0AB> :@>?82O=:0, A25@1V6, 28A8?.
030;L=89 AB0= B0 ?>@CH5==O, ?>2O70=V 7V A?>A>I>< 70AB>AC20==O ?@5?0@0BC: =5G0AB>
0AB5=VO/A;01:VABL.
01>@0B>@=V ?>:07=8:8: =5G0AB> ?V428I5==O @V2=O A5G>28=8 :@>2V, :@50B8=V=C C
A8@>20BFV :@>2V B0 :0;VN C A8@>20BFV :@>2V.
@B5@V0;L=0 3V?5@B5=7VO V FC:@>289 4V015B B8?C , I> AC?@>2>46CNBLAO 70E2>@N20==O<
=8@>:.
I>:C =5@2>2>W A8AB5<8: G0AB> 70?0<>@>G5==O.
I>:C AC48==>W A8AB5<8: G0AB> 0@B5@V0;L=0 3V?>B5=7VO.
030;L=89 AB0= B0 ?>@CH5==O, ?>2O70=V 7V A?>A>I>< 70AB>AC20==O ?@5?0@0BC: G0AB>
0AB5=VO/A;01:VABL.
01>@0B>@=V ?>:07=8:8: G0AB> 3V?>3;V:5
0ABC?=V ?>1VG=V @50:FVW 28=8:0;8 G0ABVH5 C ?0FVT=BV2 O:V 70AB>A>2C20;8 ;>70@B0=, =V6
C ?0FVT=BV2 3@C?8 ?;0F51>.
I>:C A8AB5<8 :@>2V B0 ;VW A8AB5<8: 0=5
I>:C A5@FO: A8=>?5, ?0;L?VB0FVO.
I>:C AC48==>W A8AB5<8: >@B>AB0B8G=0 3V?>B5=7VO.
I>:C B@02=>3> B@0:BC: 4V0@5O.
I>:C A:5;5B=>-<O7>2>W A8AB5<8 B0 A?>;CG=>W B:0=8=8: 1V;L C A?8=V.

I>:C =8@>: B0 A5G>282V4=8E H;OEV2: V=D5:FVW A5G>282V4=8E H;OEV2.
030;L=89 AB0= B0 ?>@CH5==O, ?>2O70=V 7V A?>A>I>< 70AB>AC20==O ?@5?0@0BC:
3@8?>?>4V1=V A8<8.
01>@0B>@=V ?>:07=8:8. 28=8:;0 3V?5@:0;VT
>AB<0@:5B8=3>25 A?>AB5@565==O.
@>B03>< ?>AB<0@:5B8=3>2>3> A?>AB5@565==O ?>2V4<;O;>AO ?@> =0ABC?=V ?>1VG=V
@50:FVW.
I>:C A8AB5<8 :@>2V V ;VW A8AB5<8: 0=5<1>F8B>?5=VO.
I>:C >@30=V2 A;CEC B0 ;01V@8=BC: 472V= C 2CE0E.
I>:C VW A8AB5<8: @V4:> @50:FVW 3V?5@GCB;82>ABV (0=0DV;0:B8G=V @50:FVW,
0=3V>=52@>B8G=89 =01@O:, 2;;NG0NG8 =01@O: 3>@B0=V B0 3>;>A>2>W IV;8=8, I> ?@872>48BL
4> >1AB@C:FVW 48E0;L=8E H;OEV2 B0/01> =01@O:8 >1;8GGO, 3C1, 3;>B:8 V/01> O78:0); C 45O:8E
?0FVT=BV2 2 0=0<=57V 1C2 0=3V>=52@>B8G=89 =01@O:, I> ?>2'O70=89 V7 70AB>AC20==O< V=H8E
?@5?0@0BV2, C B>@V2 \$; 20A:C;VB, 2;;NG0NG8 ?C@?C@C (5=;O9=-5=>E0.
I>:C =5@2>2>W A8AB5<8:
I>:C @5A?V@0B>@=>3> B@0:BC, >@30=V2 3@C4=>W ;;VB:8 B0 A5@54>ABV==O: :0H5;L.
I>:C B@02=>3> B@0:BC: 4V0@5O, ?0=:@50B8B, 1;N20==O.
030;L=89 AB0= B0 ?>@CH5==O, ?>2O70=V 7V A?>A>I>< 70AB>AC20==O ?@5?0@0BC:
=574C60==O.
I>:C 35?0B>1V;V0@=>W A8AB5<8: @V4:> 35?0B8B, =52V4><> ?>@CH5==O DC=:FVW ?5GV=:8.
I>:C H:V@8 B0 ?V4H:V@=>W ;;VB:>28=8: :@>?82O=:0, A25@1V6, 28A8?, D>B>GCB;82VABL,
5@8B@>45@
I>:C A:5;5B=>-<O7>2>W A8AB5<8 B0 A?>;CG=>W B:0=8=8: ;V7.
I>:C @5?@>4C:B82=>W A8AB5<8 V <>;>G=8E 70;>7: 5@5:B8;L=0 48ADC=:FVO/VB5=FVO.
I>:C =8@>: V A5G>282V4=8E H;OEV2: O: =0A;V4>: V=3V1C20==O @5=V=-0=3V>B5=78=-
0;L4>AB5@=>2>W A8AB5<8, ?>2V4><;O;>AO ?@> 7:, 2;;NG0NG8 =8@:>2C =54>AB0B=VABL C
?0FVT=BV2 3@C?8 @878:C; B0:V 72>W DC=:FVW <>6CBL 1CB8 >1>@>B=8<8 ?@8 ?@8?8=5==V
B5@0?VW.
A8EVG=V ?>@CH5==O: 45?@5AVO.
01>@0B>@=V ?>:07=8:8: 3V?>=0B@VT
VB8. @>DV;L ?>1VG=8E @50:FV9 C 4VB59 ?>4V1=89 4> ?@>DV;N C 4>@>A;8E ?0FVT=BV2. 0=V
AB>A>2=> ?>1VG=8E @50:FV9 C 4VB59 >1<565=V.

5@54>7C20==O.

!8<8 V=B>:A8:0FVW. 5 ?>2V4><;O;>AO ?@> 28?04:8 ?5@54>7C20==O ?@5?0@0BC. <>2V@=8<8 A8<0
<8, 70;56=> 2V4 >1T7C20==O, 1C4CBL 0@B5@V0;L=0 3V?>B5=7VO, B0EV:0@4VO; <>6;820
1@048:0@4VO.

V:C20==O V=B>:A8:0FVW.

V:C20==O 70;568BL 2V4 B@820;>ABV G0AC, I><8=C2 ?VA;O ?@89>6 2V4 E0@0:B5@C V BO6:>ABV
A8

@V>@8B5B=>N N <0T 1CB8 AB01V;V70FVO DC=:FVW A5@F52>-AC48==>W A8AB5<8. VA;O
?5@>@0;L=>3> ?@89>:070=5 70AB>AC20==O 0:B82>20=>3> 2C3V;;O C 2V4?>2V4=V9 4>7V. V7=VH5
A;V4 G0AB> :>=B@>;N20B8 >A=>2=V ?>:07=8:8 68BBT4VO;L=>ABV >@30=V7@83C20B8 ?@8
=5>1EV4=>ABV. >70@B0= B0 0:B82=V <5B01>;VB8 =5 2840;ONBLAO ?@8 ?@>2545==V 35<>4V0;V7C.

0AB>AC20==O C ?5@V>4 203VB=>ABV 01> 3>4C20==O 3@C44N.

03VB=VABL. V:0@AL:89 70AV1 ?@>B8?>:070=> 70AB>A>2C20B8 203VB=8< 01> 6V=:0<, O:V ?;0=CNBL
70203VB=VB8. /:I> ?V4 G0A ;V:C20==O F8< 70A>1>< ?V4B25@46CTBLAO 203VB=VABL, 9>3>
70AB>AC20==O =5>1EV4=> =5309=> ?@8?8=8B8 V 70

>4C20==O 3@C44N. A:V;L:8 =5<0T V=D>@<0FVW I>4> 70AB>AC20==O ;>70@B0=C C ?5@V>4
3>4C20==O 3@C44N, =5 @5:>5=4CTBLAO ?@87=0G0B8 F59 ?@5?0@0B. 060=5 0;LB5@=0B82=5
;V:C20==O ?@5?0@0B0<8 7 :@0I5 282G5=8< ?@>DV;5< 157?5:8 I>4> 3>4C20==O 3@C44N, >A>1;82> C
?5@V>4 =>2>=0@>465=>ABV 01> O:I> 48B8=0 =54>=>H5=0.

VB8.

57?5:0 B0 5D5:B82=VABL 70AB>AC20==O?@5?0@0BC 4VBO< 2V:>4> 6 @>:V2 =5 2AB0=>2;5=V.

A>1;82>ABV 70AB>AC20==O.

V?5@GCB;82VABL.

=3V>=52@>B8G=89 =0I@O.: !;V4 G0AB> :>=B@>;N20B8 AB0= ?0FVT=BV2 7 0=3V>=52@>B8G=8<=0I@O:>< (=0I@O:8 >1;8GGO, 3C1, 3>@;0 B0/0I> O78:0) 2 0=0<=57V.

V?>B5=7VO V ?>@CH5==O 2>4=>-A>;L>2>3> 10;0=AC

!8<0B8G=0 0@B5@V0;L=0 3V?>B5=7VO, >A>1;82> ?VA;O 70AB>AC20==O ?5@H>W 4>78 ?@5?0@0BC 01> ?VA;O ?V428I5==O 4>78 <>65 28=8:0B8 C ?0FVT=BV2 7V 7=865=8< 2=CB@VH=L>AC48==8< >1T<> < 01> 45DVF8B>< =0B@VN, A?@8G8=5=8<8 70AB>AC20==O< A8;L=8E 4VC@5B8:V2, 4VTB8G=8< >1 <565==O< A?>6820==O A>;V, 4V0@5TN 01> 1;N20==CB@51CNBL :>@5:FVW ?5@54 ?>G0B:>< ;V:C20==O ?@5?0@0B>< 01> 7=865==O ?>G0B:>2>W 4>78 ?@5?0@0BC (482. «!>?>AV1 70AB>AC20==O B0 4>78»)."0:V 6 A0<5=40FVW AB>ACNBLAO 4VB59 2V:>< 2V4 6 4> 18 @>:V2.

;5:B@>;VB=89 48A10;0=A

;5:B@>;VB=89 48A10;0=A G0AB> A?>AB5@V30TBLAO C ?0FVT=BV2 V7 ?>@CH5==O< DC=:FVW =8@>: (7 01> 157 FC:@>2>3> 4V015BC), I> A;V4 1@0B8 4> C2038. # :;V=VG=>A;V465==V 70 CG0ABN E2>@8E =0 FC:@>289 4V015B II B8?C B0 7 =5D@>?0BVTN G0AB>B0 28=8=:5==O 3V?5@:0;VTN ?@8 ;V:C20==V ;>70@B0=>< ?>@V2=O=> 7 ?;0F51>."> ?5@52V@OB8 :>=F5=B@0FVW :0;VN C ?;072V V ?>:07=8:8 :;V@5=AC :@50B8=V=C, >A>1;82> C ?0FVT=BV2 V7 A5@F52>N =54>AB0B=VABN V :;V@5=A>< :@50B8=V=C 30-50 <;/E2.

5 @5:><5=4CTBLAO >4=>G0A=5 70AB>AC20==O ;>70@B0=C V :0;V9715@V30NG8E 4VC@5B8:V2, 4>102>: :0;VN V 70;V, I>

>@CH5==O DC=:FVW ?5GV=:8

5@CG8 4> C2038 D0@<0>:V=5B8G=V 40=V, I> 2:07CNBL =0 VAB>B=5 ?V428I5==O :>=F5=B@0FVW ;>70@B0=C C ?;072V E2>@8E =0 F8@>7 ?5GV=:8, A;V4 @>73;O=CB8 ?8B0==O ?@> 7=865==O 4>78 4;O ?0FVT=BV2 V7 =0O2=VABN 2 0=0<=57V ?>@CH5=L DC=:FVW ?5GV=:8. 5<0T 4>A2V4C 70AB>AC20==O ?@5?0@0BC ?0FVT=B0< V7 BO6:8<8 ?>@CH5==O<8 DC=:FVW ?5GV=:8.

>70@B0= =5 @5:><5=4>20=89 4;O 70AB>AC20==O 4VBO< V7 ?>@CH5==O<8 DC=:FVW ?5GV=:8.

>@CH5==O DC=:FVW =8@>:

>2V4><;O>;AO ?@> 28=8=:5==O 7:, 2;;NG0NG8 =8@>:2C =54>AB0B=VABL, I> ?>2'O7C20;8 7 ?@83=VG5==O< @5=V=-0=3V>B5=78=>2>W A8AB5<8 (>A>1;82> C ?0FVT=BV2 V7 70;56=VABN DC=:FVW =8@>: 2V4 A8AB5<8 @5=V=-0=3V>B5=78=-0;L4>AB5@>=, B>1B> ?0FVT=B8 7 BO6:8<8 ?>@CH5==O<8 DC=:FVW A5@FO 01> 7 C65 VA=CNG8<8 ?>@CH5==O<8 DC=:FVW =8@>:).

@5?0@0B8, I> 2?;820NBL =0 @5=V=-0=3V>B5=78=-0;L4>AB5@>=>2C A8AB5: <>6CBL 1CB8 >1>@>B=8<8 ?VA;O ?@8?8=5==O B5@0?VW. !;V4 7 >15@56=VABN 70AB>A>2C20B8 ;>70@B0= ?0FVT=B0< V7 42>1VG=8< AB5=>7><=8@>:28E 0@B5@V9 01> 7V AB5=>7>< 0@B5@VW T48=>W =8@>:8.

0AB>AC20==O 4VBO< V7 ?>@CH5==O<8 DC=:FVW =8@>:.

@5?0@0B =5 @5:><5=4>20=89 4;O 70AB>AC20==O 4VBO< 7V H284:VABN ;;C1>G:>2>W DV;LB@0FVW

< 30 <;/E2/1,73 <2, >A:V;L:8 =5<0T 2V4?>2V4=8E 40=8E I>4> 70AB>AC20==O.

@>B03>< ?5@V>4C 70AB>AC20==O ;>70@B0=C A;V4 @53C;O@=> ?5@52V@OB8 DC=:FVN =8@>:, >A:V;L:8 <>6;825 WW ?>3V@H0==O. A>1;82> F5 AB>ACTBLAO A8BC0FV9, :>;8 ;>70@B0= 70AB>A>2CNBL ?@8 =0O2=>ABV V=H8E ?0B>;>3VG=8E AB0=V2 (30@OG:0, 453V4@0B0FVO), O:V <>6CBL 2?;820B8 =0 =8@>:2C DC=:FVN.

4=>G0A=5 70AB>AC20==O ;>70@B0=C B0 V=3V1VB>@V2 \$?>3V@HCT DC=:FVN =8@>:, B> <1V=0FVO =5 @5:><5=4>20=0.

"@0=A?;0=B0FVO =8@>:8.

5<0T 4>A2V4C I>4> 157?5:8 70AB>AC20==O ?@5?0@0BC ?0FVT=B0<, O:8< I>9=> ?@>2545=> B@0=A?;0=B0FVN =8@>:8.

5@28==89 3V?5@0;L4>AB5@>=V7

?0FVT=BV2 V7 ?5@28==8< 3V?5@0;L4>AB5@>=V7<<, O: ?@028;>, =5 A?>AB5@V30TBLAO 5D5:BC ?@8 70AB>AC20==V ?@5?0@0BV2, I> 4VNBL H;OE>< V=3V1VFVW @5=V=-0=3V>B5=78=>2>W A8AB5<8. ">70@B0= =5 @5:><5=4>20=89 4;O FVTW 3@C?8 ?0FVT=BV2.

0E2>@N20==O :>@>=0@=8E 0@B5@V9 B0 F5@51@>20A:C;O@=V 70E2>@N20==O.

/: V ?@8 70AB>AC20==V V=H8E 0=B83V?5@B5=782=8E ?@5?0@0BV2, =043> B8A:C C ?0FVT=BV2 7
VH5:0@40 01> V=AC;LBC.

!5@F520=54>AB0B=VABL.

/: V ?@8 70AB>AC20==V V=H8E ?@5?0@0BV2, I> 2?;820NBL =0 @5=V=-0=3V>B5=78=-
0;L4>AB5@>=>2C A8AB5N =54>AB0B=VABN 7/157 ?>@CH5==O DC=:FVW =8@>: VA=CT @878:
@>728B:C BO6:>W 0@B5@V0;L=>W 3V?>B5=7VW V (G0AB> 3>AB@>3>) ?>@CH5==O DC=:FVW
=8@>:.

5<0T 4>AB0B=L>3> B5@0?52B8G=>3> 4>A2V4C 70AB>AC20==O ;>70@B0=C ?0FVT=B0< V7
A5@F52>N =54>AB0B=VABN V AC?CB=V< BO6:8< ?>@CH5==O< DC=:FVW =8@>:, ?0FVT=B0< V7
BO6:>N A5@F52>N =54>AB0B=VABN (:0A V 70 NYHA), 0 B0:>6 ?0FVT=B0< V7 A5@F52>N
=54>AB0B=VABN V A8<0B8G=>N =5157?5G=>N 4;O 68BBO A5@F52>N 0@8B70@B0= A;V4
70AB>A>2C20B8 7 >15@56=VABN B0:V9 3@C?V ?0FVT=BV2. !;V4 7 >15@56=VABN >4=>G0A=>
70AB>A>2C20B8 ;>70@B0= V β-1;>:0B>@8.

!B5=>7 0>@B0;L=>3> V 3> :;0?0=V2, >1AB@C:B82=0 3V?5@B@>DVG=0 :0@4V>?0BVO.

/: V ?@8 70AB>AC20==V V=H8E 207>48;0B0B>@V2, 7 >A>1;82>N >15@56=VABN ?@87=0G0NBL
?@5?0@0B ?0FVT=B0< 7V AB5=>7< 0>@B0;L=>3> V 3> :;0?0=V2 01> >1AB@C:B82=>N
3V?5@B@>DVG=>N :0@4V>?0BVTN.

=HV 70AB5@565==O.

/: 2AB0=>2;5=> AB>A>2=> V=3V1VB>@V2 0=3V>B5=78=?5@5B2>@N20;L=>3> D5@<5=BC, ;>70@B0=
B0 V=HV 0=B03>=VAB8 0=3V>B5=78=C<5=H 5D5:B82=V 4;O ?0FVT=BV2 =53@>W4=>W @0A8, =V6
4;O V=H8E ?0FVT=BV2, <>6;82>, G5@57 =87L:C 0:B82=VABL @5=V=C C ?0FVT=BV2 7
0@B5@V0;L=>N 3V?5@B5=7VTN, O:V T ?@54AB02=8:0<8 =53@>W4=>W @0A8.

5?5@5=>A878

5>1EV4=> 2@0EC20B8, I> B01;5B:0 ?@5?0@0BC 50 <3 Lapp lactase deficiency) 01> ?@8

<0;L01A>@1FVW 3;N:>78-30;0:B>78 =5 <>6=0 70AB>A>2C20B8 F59 ?@5?0@0B.

**40B=VABL 2?;820B8 =0 H284:VABL @50:FVW ?@8 :5@C20==V 02B>B@0=A?>@B× 01> @>1>BV 7
V=H8<8 <5E0=V7<0<8.**

5 VA=CT ?V4B25@465=8E 40=8E I>4> 2?;82C ?@5?0@0BC =0 740B=VABL :5@C20B8 02B>1V;5< B0
?@0FN20B8 7 V=H8<8 <5E0=V7<0<8. 4=0: A;V4 ?<OB0B8 ?@> <>6;82VABL @>728B:C B0:8E
?>1VG=8E @50:FV9 O: 70?0<>@>G5==O B0 A>=;82VABL, >A>1;82> =0 ?>G0B:C ;V:C20==O B0 ?@8
?V428I5==V 4>78 ?@5?0@0BC.

70T<>4VO 7 V=H8<8 ;V:0@AL:8<8 70A>10<8 B0 V=HV 2848 270T<>4V9.

=HV 3V?>B5=782=V ?@5?0@0B8 <>6CBL ?>A8;N20B8 3V?>B5=782=89 5D5:B ;>70@B0=C. 4=>G0A=5
70AB>AC20==O 7 V=H8<8 ?@5?0@0B0<8, I> <>6CBL V=4C:C20B8 B0:C ?>1VG=C @50:FVN O:
0@B5@V0;L=0 3V?>B5=7VO (B@8F8;VG=V 0=B845?@5A0=B8, 0=B8?A8E>B8G=V 70A>18, 10;:>D5=
V 0AB8=), <>65 ?V428IC20B8 @878: 28=8:=5==O 0@B5@V0;L=>W 3V?>B5=7VW.

>70@B0= <5B01>;V7CTBLAO ?5@5206=> 70 CG0ABN A8AB5<8 F8B>E@>CYP) 2!9 4> 0:B82=>3>
:0@1>:A8-:8A;>3> <5B01>;VBC. # :;V=VG=8E 4>A;V465==OE 1C;> 2AB0=>2;5=>, I> D;C:>=07>;

(V=3V1VB>@ CYP2!9) 7=86CT 5:A?>78FVN 0:B82=>3> <5B01>;VBC ?@81;87=> =0

50 %. AB0=>2;5=>, I> >4=>G0A=5 ;V:C20==O ;>70@B0=× V @8D0< (V=4C:B>@ D5@<5=BV2
<5B01>;V748BL 4> 7=865==O =0 40 % :>=F5=B@0FVW 0:B82=>3> <5B01>;VBC C ?;072V. ;V=VG=5

7=0G5==O FL>3> 5D5:BC =52V4><5. 5<0T 2V4ABV 2 5:A?>78FVW ?@8 >4=>G0A=>AC20==V

;>70@B0=C V D;C20AB0B8=C (A;01:>3> V=3V1VB>@C CYP2!9).

"0: A0<>, O: V ?@8 70AB>AC20==V V=H8E ?@5?0@0BV2, O:V 1;>:CNBL 0=3V>B5=78=II 01> 9>3>
5D5:B8, AC?CB=T 70AB>AC20==O ?@5?0@0BV2, I> 70B@8@30=V7=>;0:B>=C, B@80@84C), 01>

<>6CBL ?V428IC20B8 @V2=V :0;VN (=0?@8:;04 35?0@8=), 4>102>:, I> 70;V, I> 20BFV :@>2V.

4=>G0A=5 70AB>AC20==O B0:8E 70A>1V2 =5 @5:><5=4>20=5.

@> >1>@>B=5 ?V428I5==O :>=F5=B@0FV9 ;VBVN C A8@>20BFV :@>2V, 0 B0:>6 ?@> B>:A8G=VABL
?>2V4><;O;>AO ?@8 >4=>G0A=>AC20==V ;VBVN 7 V=3V1VB>@0<8 \$. "0:>6 4C65 @V4:> ?>2V4>

<;O;>AO ?@> 28?04:8 ?@8 70AB>AC20==V 0=B03>=VABV2 @5F5?B>@V2 0=3V>B5=78=C.

4=>G0A=5 70AB>AC20==O ;VBVN V ;>70@B0=C A;V4 ?@>2>48B8 7 >15@56=VABN. !:I>

70AB>AC20==O B0:>W :><1V=0FVW 22060TBLAO =5>1EV4=8<, @5:><5=4>20=> ?5@52V@OB8

@V2=V ;VBVN C A8@>20BFV :@>2V ?@>BO3× :><1V=>20=>3> ;V:C20==O.

@8 >4=>G0A=>AC20==V 0=B03>=VABV2 0=3V>B5=78=C V =5AB5@>W4=8E ?@>B870?0;L=8E
?@5?0@0BV2 (=0?@8::04 A5;5:B82=V V=3V1VB>@8 F8::>:A835=078-2 (&-2), 0F5B8;A0;VF8;>20
:8A;>B0 C 4>70E, I> G8=OBL ?@>B870?0;L=C 4VN, =5A5;5:B82=V) <>65 ?>A;01;N20B8AO
0=B83V?5@B5=782=89 5D5:B. 4=>G0A=5 70AB>AC20==O 0=B03>=VABV2 0=3V>B5=78=C 01>
4VC@5B8:V2 V7 <>65 ?@872>48B8 4> ?V428I5==O @878:C ?>3V@H0==O DC=:FVW =8@>:, 2;;NG0NG8
<>6;8289 @>728B>: 3>AB@>W =8@>:2>W =54>AB0B=>ABV, 0 B0:>6 4> ?V428I5==O @V2=O :0;VN C
A8@>20BFV :@>2V, >A>1;82> C ?0FVT=BV2 7 VA=CNG8? ?>@CH5==O< DC=:FVW =8@>:. "0:C :>
<1V=0FVN A;V4 ?@87=0G0B8 7 >15@56=VABN, >A>1;82> ?0FVT=B0< ;VB=L>3> 2V:C. 0FVT=B0<
A;V4 ?@>2>48B8 2V4?>2V4=C 453V4@0B0FVN, B0:>6 A;V4 @>73;O=CB8 ?8B0==O I>4>
<=>VB>@8=3C DC=:FVW =8@>: ?VA;O ?>G0B:C AC?CB=L>W B5@0?VW, =040;V ?5@V>48G=>.

\$0@<0:>;>3VG=V 2;0AB82>ABV.

\$0@<0:>48=0

>70@B0= F5 A8=B5B8G=89 0=B03>=VAB @5F5?B>@V2 0=3V>B5=78=C (B8?C "1) 4;O ?5@>@0;L=>3>
70AB>AC20==O. =3V>B5=78= II ?>BC6=89 207>:=AB@8:B>@ T 0:B82=8< 3>@<=>< @5=V=-
0=3V>B5=78=>2>W A8AB5<8 V >4=8< 7 =09206;82VH8E D0:B>@V2 ?0B>DV7V>;>3VW
0@B5@V0;L=>W 3V?5@B5=7VW. =3V>B5=78=II 7207CTBLAO 7 @5F5?B>@<< "1, O:89 7=0E>48BLAO
C 1030BL>E B:0=8=0E (=0?@8::04 C 3;045=L:8E :=AB@8:FVN B0 282V;L=5==O 0;L4>AB5@>=C.
=3V>B5=78= II B0:>6 AB8;VD5@0FVN 3;04:><07>28E ::VB8=. >70@B0= A5;5:B82=> 7207CTBLAO 7
@5F5?B>@<< "1, 2 C<>20E in vitro B0 in vivo ;>70@B0= B0 9>3> D0@<0:>;>3VG=> 0:B82=89
<5B01>;VB :0@1>:A8;L=0 :8A;>B0 (-3174) 1;>:CNBL CAV DV7V>;>3VG=> 203>B5=78=C , =570;56=>
2V4 465@5;0 01> H;OEC 9>3> A8=B57C.
2545==O ;>70@B0=C 71V;LHCT @V25=L @5=V=C C ?;072V, I> ?@872>48BL 4> 71V;LH5==O @V2=O
0=3V>B5=78=C C ?;072V (F5 O28I5 ?>2070=5 7 28<8:0==O< =530B82=>3> 72>@>B=>3> 7207:C,
28::8:0=>3> 0=3V>B5=78=<<). 572060NG8 =0 B0:V O28I0, 715@V30TBLAO 4VO ?@5?0@0BC C
283;04V 7=865==O 0@B5@V0;L=>3> B8A:C B0 7<5=H5==O @V2=O 0;L4>AB5@>=C. &5 A2V4G8BL
?@> 5D5:B82=C 1;>:04C @5F5?B>@0 0=3V>B5=78=C II.
>70@B0= A5;5:B82=> 7207CTBLAO 7 @5F5?B>@<< "1 V=5 7207CTBLAO B0 =5 1;>:CT V=HV 3>@
<>=0;L=V @5F5?B>@8 01> V==V :0=0;8, O:V T 206;828<8 7 B>G:8 7>@C @53C;OFVW A5@F52>-
AC48==>W A8AB5<8. @V< B>3>, ;>70@B0= =5 1;>:CT \$ (:V=V=07C), O:0 @>7I5?;NT 1@048:V=V=, B>
70@B0= =5 28::8:0T B0:V 5D5:B8, =5 ?>2070=V 157?>A5@54=L> 7 1;>:04>N @5F5?B>@0 "1 (B>1B>
?>A8;5==O 5D5:BV2, 7C<>2;5=V 1@048:V=V=<<, =0?@8::04 B5=45=FVW 4> ?>O28 =01@O:V2).
>70@B0= 1;>:CT @50:FVW, AB820=V 0=3V>B5=78=<< B0 0=3V>B5=78=<< , 157 ?;82C =0 @50:FVW
1@048:V=V=C. &5 2V4?>2V40T A?5F8DVG=V9 4VW ;>70@B0=C. B>9 65 G0A V=3V1VB>@8 \$
1;>:CNBL @50:FVN, A?@8G8=5=C 0=3V>B5=78=<< , B0 ?V4A8;NNBL 2V4?>2V4V =0 1@048:V=V=, 157
2?;82C =0 2V4?>2V4=V @50:FVW 0=3V>B5=78=C . &5 T >A=>2>N D0@<0:>48=0W @V7=8FV 70@B0=>
< B0 V=3V1VB>@0<8 \$.
E2>@8E 7 3V?5@B5=7VTN 157 =0O2=>ABV FC:@>2>3> 4V015BC, C O:8E T ?@>B5W=C@VO,
70AB>AC20==O ;>70@B0=C :0;VN 7=0G=> 7=86CT ?@>B5W=C@VN, ?5@V>48G=5 284V;5==O 1V;;V2
B0 V3;>1C;V=C G.
>70@B0= ?V4B@8<5@C;O@=>W DV;LB@0FVW V 7=86CT DV;LB@0FV9=C D@0:FVN. >70@B0=
7=86CT @V25=L A5G>28=8 2 ?;072V (2 A5@54=L>
>70@B0= =5 2?;820T =0 02B>=<<=V @5D;5:A8, B0 B@820;>=5 2?;820T =0 @V25=L =>@04@5=0;V=C 2
?;072V.
>70@B0= C 4>7V 4> 150 <3 >48= @07 =0 4>1C =5 2?;8202 =0 @V25=L B@83;VF5@84V2, E>;5AB5@8=C,
)-E>;5AB5@8=C 2 A8@>20BFV :@>2V C E2>@8E =0 3V?5@B>=VN. BV9 65 4>7V ;>70@B0= =5 2?;8202
=0 @V25=L 3;N:>78 2 :@>2V =0BI5.

\$0@<0:>:V=5B8:0.

A<>:BC20==O.

VA;O 70AB>AC20==O 2=CB@VH=L> ;>70@B0= 4>1@5 2A<>:BCTBLAO V 707=0T ?5@28==>3>
<5B01>;V7@5==O< >4=>3> 0:B82=>3> :0@1>:A8;L=>3> <5B01>;VBC B0 V=H8E D0@<0:>;>3VG=>
=50:B82=8E <5B01>;VBC V>;>3VG=0 4>ABC?=VABL ;>70@B0=C 1;87L:> 33 %. 0:A8<0;L=0
:=>F5=B@0FVO ;>70@B0=C B0 9>3> 0:B82=>3> <5B01>;VBC 287=0G0TBLAO ?@81;87=> G5@57 1
3>48=C V G5@57 3-4 3>48=8 ?VA;O ?@89>2V4=>. @89<0==O W6V =5 A?@8G8=OT ::V=VG=>

7=0GCI8E 2V4E8;5=L D0@<0:>:V=5B8G=>3> ?@>DV;N.
>7?>4V;
>=04 99 % ;>70@B0=C B0 9>3> 0:B82=>3> <5B01>;VBC 72'O7CTBLAO 7 1V;;0<8 ?;07<8 :@>2V,
?5@5206=> 7 0;L1C34 ;. # 4>A;V465==V =0 IC@0E ;>70@B0= =525;8:>N N 01> 7>2AV< =5 ?@>=8:02
G5@57 35<0B>5=F5D0;VG=89 10@'T@.
V>B@0=AD>@<0FVO
@81;87=> 14 % ?5@>@0;L=> 22545=>W 4>78 ?5@5B2>@NTBLAO =0 0:B82=89 <5B01>;VB. @8
?5@>@0;L=>14C 3> ;>70@B0=C @04V>0:B82=VABL ?;07<8 :@>2V ?V428ICTBLAO 70 @0EC=>:
0:B82=>3> ;>70@B0=C B0 9>3> <5B01>;VBC. # =525;8:>W :V;L:>ABV ;N459 (?@81;87=> 1%) 7
;>70@B0=C CB2>@NTBLAO
@V< D0@<0:>;>3VG=> 0:B82=>3> <5B01>;VBC, CB2>@NTBLAO =87:0 =50:B82=8E <5B01>;VBV2, 7
O:8E 1V;LH 206;82VH89 CB2>@NTBLAO H;OE< 3V4@>:A8;OFVW 1CB8;>2>3> 1VG=>3> ;0=FN30, 0
<5=H 206;8289 <0T =072C N-2-B5B@07>;-3;N:C@>=V4.
;V
;V@5=A ;>70@B0=C AB0=>28BL 600<;/E2, 0 0:B82=>3> <5B01>;VBC 50 <;/E2. 8@>289 ;;V@5=A
;>70@B0=C B0 9>3> 0:B82=>3> <5B01>;VBC AB0=>28BL 74<; V 26<; 70 E28;8=C 2V4?>2V4=>. @8
?5@>@0;L=>70@B0=C ?@81;87=> 4 % 22545=>W 4>78 284V;OTBLAO V7 A5G5N C =57@3>
<5B01>;VBC. >70@B0= B0 9>3> 0:B82=89 <5B01>;VB <0NBL ;V=50@=C D0@<0:>:V=5B8:C.
VA;O ?5@>@0;L=>3> 22545==O ;>70@B0=C :>=F5=B@0FVO ;>70@B0=C B0 9>3> 0:B82=>3>
<5B01>;VBC 7=86CTBLAO ?>;V5:A?>=B5=V9=>. "5@ ?5@V>4 =0?V2VA=C20==O ;>70@B0=C
?@81;87=>
2 3>48=8, 0 0:B82=>3> <5B01>;VBC 6-9 3>48=. @8 4>7V 100 <3 =0 4>1C =V ;>70@B0=, =V 0:B82=89
<5B01>;VB 7=0G=> =5 :C2V.
>70@B0= B0 9>3> <5B01>;VB8 284V;ONBLAO 7 >@30=V72GN V G5@57 A5G>282V4=V H;OE8.
;N48=8 ?VA;O ?5@>@0;L=>3> 70AB>AC20==O 14C ;>70@B0=C, 3> V7>B>?>, ?@81;87=> 35 %
@04V>0:B82=>ABV 7=0E>4OBL C A5GV V 58% C :0;V.
A>I;82V 3@C?8 ?0FVT=BV2
VA;O ?5@>@0;L=>3> 22545==O ;>70@B0=C E2>@8< V7 F8@>7< ?5GV=:8 ;53:>3> 01> A5@54=L>3>
ABC?5=V2 2V47=0G0;8 5-:@0B=C B0 1,7-:@0B=C :>=F5=B@0FVN ;>70@B0=C B0 0:B82=>3>
<5B01>;VBC 2V4?>2V4=> ?>@V2=O=> 7 @57C;LB0B0<8, >B@8<0=8<8 C 74>@>28E 4>1@>2>;LFV2-
G>;>2V:V2.
>=F5=B@0FVO ;>70@B0=C C ?;072V =5 7@8E V7 =8@>2>N ?0B>;>3VTN, 2 O:8E ;;V@5=A
:@50B8=V=C 1C2 1V;LH5 10<;/E2. # E2>@8E, O:V <0NBL ?>B@51C 2 35<>4V0;V7V, 7=0G5==O AUC
1C;> ?@81;87=> C 2 @078 28I8<, =V6 2 >AV1 V7 =>@<0;L=>N =8@>2>N DC=:FVTN.

\$0@<0F52B8G=V E0@0:B5@8AB8:8.

A=>2=V DV78:>-EVABV:

"01;5B:8 50 <3.

@C3;V 42>>?C;;V B01;5B:8, 2:@8BV >1>;>=:N, 1V;>3> 01><0965 1V;>3> :>;L>@C, 7 >4=>3> 1>:C
@8A:0, 7 4@C3>3> 3@02V@C20==O «50».

"01;5B:8 100 <3.

20;L=V 42>>?C;;V B01;5B:8, 2:@8BV >1>;>=:N, 1V;>3> 01><0965 1V;>3> :>;L>@C, 7 >4=>3> 1>:C
3@02V@C20==O «100», 4@C389 1V: 3;04:89.

"5@ABV.5 @>:V2.

**#<>28 715@V30==O. 15@V30B8 ?@8 B525 °C 2 >@83V=0;L=V9 C?0:>2FV 4;O 70E8ABC 2V4 2?;82C
2>;>38 C =54>ABC?=>**

#?0:>2:0. 10 B01;5B>;, 2:@8B8E >1>;>=:N, C 1;VAB5@V; 1 01> 3 1;VAB5@8 C :0@B>==V9 C?0:>2FV.

0B53>@VO 2V4?CA:C. 0 @5F5?B>

002=8:.

" «545>= VEB5@», #3>@I8=0.

VAF57=0E>465==O.

-1103, C40?5HB, 2C;. 5<@5W, 19-21, #3>@I8=0.

8@>1=8:8.

"«545>= VEB5@ >;LI0», >;LI0.

«Gedeon Richter Poland» Co Ltd., Poland.

" «545>= VEB5@», #3>@I8=0.

Gedeon Richter Plc., Hungary

VAF57=0E>465==O.

05-825, @>478AL: 07>25FL:89, 2C;. :=. .. >=OB>2AL:>3>, 5, >;LI0.

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-1103, C40?5HB, 2C;. 5<@5W, 19-21, #3>@I8=0.

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