

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

®
(GLIANOV®)

!;:04:

4VNG0 @5G>28=0: 3;V<5?V@84;

1 B01;5B:0

4>?>28=8:

1 B01;5B:0 ?> 1 <3: ;0:B>78 <=>3V4@0B, F5;N;>70 :@8AB0;VG=0, =0B@VN :@>E<0;L3;V:>;OB (B8?),
=0B@VN ;0C@8;AC;LD0B, 70;V70 >:A84 G5@2=>89 (172), <03=VN AB50@0B;

1 B01;5B:0 ?> 2 <3: ;0:B>78 <=>3V4@0B, F5;N;>70 :@8AB0;VG=0, =0B@VN :@>E<0;L3;V:>;OB (B8?),
=0B@VN ;0C@8;AC;LD0B, V=483>B8= (132), 70;V70 >:A84 6>2B89 (172), <03=VN AB50@0B;

1 B01;5B:0 ?> 3 <3: ;0:B>78 <=>3V4@0B, F5;N;>70 :@8AB0;VG=0, =0B@VN :@>E<0;L3;V:>;OB (B8?),
=0B@VN ;0C@8;AC;LD0B, 70;V70 >:A84 6>2B89 (172), <03=VN AB50@0B;

1 B01;5B:0 ?> 4 <3: ;0:B>78 <=>3V4@0B, F5;N;>70 :@8AB0;VG=0, =0B@VN :@>E<0;L3;V:>;OB (B8?),
=0B@VN ;0C@8;AC;LD0B, V=483>B8= (132), <03=VN AB50@0B.

V:0@AL:0 D>@<0. "01;5B:8.

\$0@<0:>B5@0?52B8G=0 3@C?0. V?>3;V:518, 70 28=OB:>< V=AC;V=V2. !C;LD>=0EV4=V A5G>28=8.
>4 "1 1012.

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

>:070==O.

=AC;V==570;56=89 FC:@>289 4V015B II B8?C C 4>@>A;8E, :>;8 =5<>6;82> 045:20B=> :>=B@>;N20B8
@V25=L 3;N:>78 2 :@>2V 70 4>?><>3>N 4VTB8, DV78G=8E 2?@02 B0 7=865==O <0A8 BV;0.

@>B8?>:070==O.

=AC;V=>70;56=89 4V015B I B8?C, 4V015B8G=89 :5B>0F84>7, 4V015B8G=0 ?@5:><0 B0 :><0, BO6:V
DC=:FV>=0;L=V =8@:>2V 01> ?5GV=:>2V @>7;048.

V428I5=0 GCB;82VABL 4> 3;V<5?V@84C 01> 4> 1C4L-O:>3> 7 :>=5=BV2 ?@5?0@0BC.

V428I5=0 GCB;82VABL 4> V=H8E ?>EV4=8E AC;LD>=V;A5G>28=8 G8 4> V=H8E AC;LD0=V;028B:C
@50:FV9 3V?5@GCB;82>ABV).

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

#A?VH=5 ;V:C20==O 4V015BC 70;568BL 2V4 4>B@8<0==O ?0FVT=B>< 2V4?>2V4=>3> @0FV>=C
E0@GC20==O, @53C;O@=>W DV78G=>W 0:B82=>ABV, 0 B0:>6 ?>ABV9=>3> :>=B@>;N @V2=O

3;N:>78 2 :@>2V B0 A5GV. 54>B@8<0==O E2>@8< 4VTB8 =5 <>65 1CB8 :>20=5 70AB>AC20==O<
B01;5B>: G8 V=AC;V=C. @5?0@0B 70AB>A>2CNBL 4>@>A;8

>7C20==O 70;568BL 2V4 @57C;LB0BV2 0=0;V7V2 278 2 :@>2V B0 A5GV.

>G0B:>20 4>70 ;V0=>2C® AB0=>28BL 1 <3 (1/2 B01;5B:8 ?> 2 <3) =0 4>1C. /:I> B0:0 4>70 4>72>;OT
4>AO3B8 :>=B@>;L>20=>ABV 70E2>@N20==O, WW A;V4 70AB>A>2C20B8 4;O ?V4B@8W B5@0?VW.

!;V4 26820B8 B01;5B:8 7 2V4?>2V4=8< 2< 4VNG>W @5G>28=8.

/:I> 3;V:5=B@>;L=5 T ?>B8<0;L=8<, 4>7C20==O ?>B@V1=> 71V;LHC20B8 4> 2, 3 G8 4 <3 3;V

<5?V@84C =0 4>1C ?>5B0?=> (7 V=B5@20;0<8 2 1-2 B86=V).

>70, 1V;LH0 70 4 <3 =0 4>1C, 40T :@0IV @57C;LB0B8 BV;L:8 2 >:@5<8E 28?04:0E. 0:A8<0;L=0 @5:>
<5=4>20=0 4>70 6 <3 ;V0=>2C® =0 4>1C.

;V0=>2® 70 =5>1EV4=VABN <>6=0 70AB>A>2C20B8 2 :><1V=>20=V9 B5@0?VW 7 <5BD>@B@8

?5@54=L>3> 4>7C20==O <5BD>@< ?@5?0@0BC A;V4 @>?>G0B8 7 =87L:>W 4>78, O:C ?>BV< <>6=0

?>ABC?>2> ?V428IC20B8 4> <0:A8<0;L=>W 4>1>2>W 4>78, >@VT=BCNG8AL =0 1060=89 @V25=L

<5B01>;VG=>3> :>=B@>;N. ><1V=>20=C B5@0?VN A;V4 ?@>2>48B8 ?V4 ?8;L=8< =03;O4<< ;V:0@O.

/:I> <0:A8<0;L=0 4>1>20 4>70 ;V0=>2C® =5 70157?5GCT 4>AB0B=L>3> 3;V:53> :=B@>;N, C @07V
=5>1EV4=>ABV <>65 1CB8 @>7?>G0B0 AC?CB=O B5@0?VO V=AC;V=>B@8?5@54=L>3> 4>7C20==O
3;V<5?V@84C, ;V:C20==O V=AC;V=>A;V4 @>7?>G0B8 7 =87L:>W 4>78, O:C ?>BV< <>6=0
?V428IC20B8, >@VT=BCNG8AL =0 1060=89 @V25=L <5B01>;VG=>3> :=B@>;N. <1V=>20=C
B5@0?VN A;V4 ?@>2>48B8 ?V4 ?8;L=8< =03;O4>< ;V:0@O.

0728G09 >4=0 4>70 ;V0=>2C® =0 4>1C T 4>AB0B=L>N. W @5:>5=4CTBLAO ?@89<0B8 =5704>23> 4>
G8 ?V4 G0A A8B=>3> A=V40=:C 01> O:I> A=V40=:C =5<0T =5704>23> ?5@54 01> ?V4 G0A ?5@H>3>
>A=>2=>3> ?@89<0==O W6V. <8;:8 C 70AB>AC20==V ?@5?0@0BC, =0?@8;:04 701C;8 ?@89=OB8
G5@3>2C 4>7C, =V:>;8 =5 <>6=0 28?@02;OB8 H;OE>< =0ABC?=>3> ?@89>:>W 4>78. "01;5B:C A;V4
:>2B0B8 =5 @>76>2CNG8, 70?820B8 @V48=>N.

/:I> C E2>@>3> A?>AB5@V30TBLAO 3V?>3;V:5AC20==O ?@5?0@0BC C 4>7V 1 <3 =0 4>1C, F5
>7=0G0T, I> E2>@>10 <>65 1CB8 :=B@>;L>20=0 BV;L:8 70 4>?><>3>N 4>B@8<0==O 4VTB8.

>;V?H5==O :=B@>;L>20=>ABV 4V015BC AC?@>2>46CTBLAO ?V428I5==O< GCB;82>ABV 4>
V=AC;V=C, B>B@510 C 3;V<5?V@84V <>65 7<5=HC20B8AO. <5B>N C=8=:5==O 3V?>3;V:5ABC?>2> 7
<5=HC20B8 4>7C 01> 27030;V ?5@5@20B8 B5@0?VN. 5>1EV4=VABL C ?5@53;O4V 4>7C20==O B0:>6
<>65 28=8=:CB8, O:I> C ?0FVT=B0 7AV1 68BBO 01> 4VNBL V=HV G8==8:8, O:V ?V428ICNBL @878:
3V?>- G8 3V?5@3;V:5

5@5EV4 2V4 ?5@>@0;L=8E 3V?>3;V:52®.

V4 V=H8E ?5@>@0;L=8E 3V?>3;V:5G0B:>< 70AB>AC20==O ;V0=>20® @5:><5=4CTBLAO ?>G5:0B8
:V;L:0 4=V2. &5 4>72>;8BL 7<5=H8B8 @878: 3V?>3;V:5: 048B82=>W 4VW 42>E 035=BV2.

5:><5=4>20=0 ?>G0B:>20 4>70 1 <3 3;V<5?V@84C =0 4>1C. /: 707=0G0;>AO 28I5, 4>7C <>6=0 ?>5B0?=>
71V;LH8B8 7 C@0EC20==O< @50:FVW =0 ?@5?0@0B.

5@5EV4 2V4 V=AC;V=C =0 ;V0=>2®.

28=OB:>28E 28?04:0E E2>@8< =0 4V015B B8?C, O:V >B@83> =0 ;V0=>2®. "0:89 ?5@5EV4 A;V4
?@>2>48B8 ?V4 ?8;L=8< =03;O4>< ;V:0@O.

>1VG=V @50:FVW.

>@CH5==O 7 I>:C :@>2V B0 ;VW A8AB5<8.

V4:>: B@><1>F8B>?5=VO 2V4 A5@54=L>3> 4> B06:>3> ABC?5=O, ;59:>?5=VO, 3@0=C;>F8B>?5=VO,
03@0=C;>F8B>7, 5@8B@>?5=VO, 35<>;VB8G=0 0=5?5=VO, O:V 70728G09 7=8:0NBL ?VA;O
?@8?8=5==O ?@89>

>@CH5==O 7 I>:C VW A8AB5<8.

C65 @V4:>: 0;5@3VG=89 20A:C;VB, ;53:V @50:FVW 3V?5@GCB;82>ABV, O:V<>6CBL @>72820B8AO
4> A5@9>7=8E D>@< V7 @>728B:>< 48A?=>5, 7=865==O< 0@B5@V0;L=>3> B8A:C, V=>4V H:>:
52V4><>: <>6;820 ?5@5E@5A=0 0;5@3VO 7 AC;LD>=V;A5G>28=>N, AC;LD>=0

>@CH5==O >128=, <5B01>;V7

V4:>: 3V?>3;V:5 28=8:0NBL 7451V;LH>3> >4@07C, <>6CBL =01C20B8 B06:8E D>@< B0 =5 702648 ;53:>
?V440NBLAO :>@5:FVW. 8=8=:5==O F8E @50:FV9 70;568BL, O: V ?V4 G0A V=H8E 284V2 3V?>3;V:5W
B5@0?VW, 2V4 AC1T:B82=8E G8==8:V2, B0:8E O: >A>1;82>ABV E0@GC20==O B0 4>7C20==O.

>@CH5==O 7 I>:C >@30=V2 7>@C.

'5@57 778 2 :@>2V <>6CBL 28=8:0B8 B82V ?>@CH5==O 7>@C, >A>1;82> =0 ?>G0B:C ;V:C20==O.
(;C=:>2>-:8H:>2V @>7;048.

C65 @V4:>: =C4>B0, 1;N20==O, 4V0@50, 2V4GCBBO B06:>ABV B0 48A:>@BC C 682>BV, 1V;L C
682>BV, O:V @V4:><>6CBL ?>B@51C20B8 ?@8?8=5==O B5@0?VW.

>7;048 35?0B>1V;V0@=>W A8AB5<8.

>65 A?>AB5@V30B8AO ?V428I5==O @V2=V2 D5@<5=BV2 ?5GV=:8.

C65 @V4:>: ?>@CH5==O DC=:FVW ?5GV=:8 (=0?@8;:04 70ABV9 6>2GV B0 6>2BO=8FO), 35?0B8B,
O:89 <>65 ?@>3@5AC20B8 4> ?5GV=:>2>W =54>AB0B=>ABV.

:C H:V@8 V ?V4H:V@=>W ;;VB:>28=8.

50:FVW 3V?5@GCB;82>ABV A25@1V6, 28A8? B0 :@>?82=8FO.

C65 @V4:>: ?V428I5=0 GCB;82VABL H:V@8 4> A2VB;0.

57C;LB0B8 0=0;V7V2.

C65 @V4:>: 7=865==O :V;L:>ABV =0B@VN 2 A8@>20BFV :@>2V.

5@54>7C20==O.

>65 ?@872>48B8 4> 3V?>3;V:5 72 3>48= V ?VA;O ?5@H>3> ?>;53H5==O<>65 7O2;OB8AO ?>2B>@=>. !8
<8 <>6CBL ?@>O28B8AO G5@57 24 3>48=8 ?VA;O 2A<>:BC20==O ?@5?0@0BC. /: ?@028;>, 4;O B0:8E
E2>@8E @5:><5=4CTBLAO A?>AB5@565==O C :;V=VfV. >6CBL 28=8:0B8 =C4>B0, 1;N20==O B0 1V;L
C =04G5@52=V9 4V;O=FV. V?>3;V:5<>65 AC?@>2>46C20B8AO =52@>;>3VG=8<8 A8<0<8, B0:8<8 O:
=5A?>:V9, B@5<>@, @>7;048 7>@C, ?>@CH5==O :>>@48=0FVW, A>=;82VABL, :<0 B0 AC4<8.
V:C20==O ?>;O30T, C ?5@HC G5@3C, C ?5@5H:>460==V 01A>@1FVW ?@5?0@0BC. ;O FL>3>
=5>1EV4=> 28::8:0B8 1;N20==O, 0 ?>BV< 28?8B8 2>48 01> ;8<>=04C 7 0:B82>20=8< 2C3V;;O<
(04A>@15=B) B0 AC;LD0B< =0B@VN (?@>=>A=5). /:I> ?@89=OB> 25;8:C :V;L:VABL 3;V<5?V@84C,
?>:070=5 ?@><820==O H;C=:0, ?VA;O G>3> 70AB>AC20==O 0:B82>20=>3> 2C3V;;O B0 AC;LD0B
=0B@VN. # @07V BO6:>3> ?5@54>7C20==O =5>1EV4=0 3>A?VB0;V70FVO 4> 2V44V;5==O @50=V
<0FVW. /:>>30 H284H5 A;V4 @>7?>G0B8 22545==O 3;N:>78: ?@8 =5>1EV4=>ABV A?>G0B:C
>4=>@07>20 2=CB@VH=L>25==O V=T:FVO 50 <; 50 % @>7G8=C, 0 ?>BV< 10 % @>7G8=C, ?>ABV9=>
:=B@>;NNG8 @V25=L 3;N:>78 2 :@>2V. >40;LH5 ;V:C20==O A&0B8G=5.
040NG8 4>?><3C ?@8 3V?>3;V:5A>1;82> <0;5=L:8< 4VBO<, O:V 28?04:>2> ?@89=O;8 ;V0=>2®, 4>7C
3;N:>78, O:0 22>48BLAO, A;V4 C206=> :=B@>;N20B8, I>1 C=8:=CB8 <>6;82>3> @>728B:C
=5157?5G=>W 3V?5@3;V:5 ?>ABV9=> A?>AB5@V30B8 70 @V2=5< 3;N:>78 2 :@>2V.

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

03VB=VABL.

878:; ?>2O70=89 7 4V015B> V4E8;5==O 2V4 =>@<0;L=8E @V2=V2 3;N:>78 2 :@>2V ?V4 G0A
203VB=>ABV C <0B5@V <>6CBL 1CB8 ?@8G8=>N 71V;LH5==O V<>2V@=>ABV 28=8:=5==O
2@>465=8E 204 @>728B:C B0 ?5@8=0B0;L=>W A<5@B=>ABV C 48B8=8 (?>;40). ">1EV4=> @5B5;L=>
:=B@>;N20B8 :V;L:VABL 3;N:>78 2 :@>2V 203VB=>W 6V=:8 4;O B>3>, I>1 C=8:=CB8
B5@0B>35==>3> @878:C. V4 G0A 203VB=>ABV E2>@V9 A;V4 70AB>A>2C20B8 V=AC;V=. /:I>
?0FVT=B:0 70203VB=V;0 01> ?>0=CT 203VB=VABL, W9 B@510 ?>2V4<8B8 ?@> F5 A2>T
878:; ?>2O70=89 7 3;V<5?V@84> 5<0T 40=8E I>4> 70AB>AC20==O 3;V<5?V@84C 203VB=8< 6V=:0
2V4=> 4> @57C;LB0BV2 5:A?5@8<5=BV2 7 B20@8=0<8, ?@5?0@0B <0T @5?@>4C:B82=C
B>:A8G=VABL, ?>2O70=C, 9<>2V@=>, 7 D0@<0:>;>3VG=>N 4VTN 3;V<5?V@84C (3V?>3;V:5
">BO3<< CAL>3> G0AC 203VB=>ABV 6V=FV 3;V<5?V@84 70AB>A>2C20B8 =5 <>6=0.
/:I> ?0FVT=B:0, O:0 ?@89<0T 3;V<5?V@84, ?>0=CT 203VB=VABL 01> 70203VB=V;0, WW O:>>30
H284H5 A;V4 ?5@525AB8 =0 B5@0?VN V=AC;V=>

5@V>4 3>4C20==O 3@C44N.

52V4><>, G8 5:A:@5BCTBLAO 3;V<5?V@84 C 3@C4=5 <>;>: V4<>, I> 2V= 282>48BLAO 7 <>;>:< C
IC@V2. 5:><5=4CTBLAO ?@8?8=8B8 ;V:C20==O 3;V<5?V@84<< ?V4 G0A 3>4C20==O 3@C44N,
>A:V;L:8 V=HV ?>EV4=V AC;LD>=V;A5G>28=8 28O2;ONBLAO C 3@C4=>2>=0@>465=>3>.
VB8. A=CNG8E 40=8E AB>A>2=> 157?5G=>ABV B0 5D5:B82=>ABV ?@5?0@0BC C 4VB59
=54>AB0B=L>, B>3> =5 @5:><5=4CTBLAO 70AB>A>2C20B8 FV9 :0B53>@VW ?0FVT=V2.

A>1;82>ABV 70AB>AC20==O. ;V0=>2® =5>1EV4=> ?@89<0B8 =5704>23> 4> 01> ?V4 G0A W48. /:I>
?@89<0==O W6V 2V41C20TBLAO :>6=>3> @07C 2 V=H89 G0A 01> ?@>?CA:0TBLAO 27030;V, ?@89<
?@5?0@0BC <>65 A?@8G8=8B8 3V?>3;V:53> 3V?>3;V:53> =0?04C <>65 =0304C20B8 V=AC;LB. !8<8
<0965 702648 <>6=0 H284:> ?><O:H8B8, O:I> =5309=> ?@89=OB8 2C3;52>48 (FC:>@). (BCG=V
?V4A>;>46C20GV =5 404CBL =VO:>3> 5D5:BC. 4>A2V4C 70AB>AC20==O V=H8E ?>EV4=8E
AC;LD>=V;A5G>28=8 2V4<>, I> :=B@70E>48 A?>G0B:C <>6CBL 1CB8 CA?VH=8<8, 0;5 =572060NG8
=0 F5, A8<8 3V?>3;V:52> <>65 1CB8 ?>A;01;5=0 26820==O< 728G09=>W :V;L:>ABV FC:@C, ?>B@51CT
=5309=>3> <548:0<5=B>7=>3> ;V:C20==O, 0 V=>4V 3>A?VB0;V70FVW.

\$0:B>@0<8, O:V A?@8ONBL 28=8:=5==N 3V?>3;V:5
=51060==O 01> (G0ABVH5 C ?0FVT=V2 ;VB=L>3> 2V:C) =5A?@><>6=VABL A?V2?@0FN20B8 7
;V:0@5<;
=54>W40==O, =5@53C;O@=VABL 01> ?@>?CI5==O ?@89<0==O W6V, ?5@V>48 3>;>4C20==O;
7
48A10;0=A
26820==O 0;>3>;N, >A>1;82> C ?>T4=0==V 7 ?@>?CI5=8<8 ?@89><0<8 W6V;
=8@:>20 =54>AB0B=VABL;

A5@9>7=0 48ADC=:FVO ?5GV=:8;
?5@54>7C20==O ;V0=>2C@;
?52=V =5:>20=V @>7;048 5=4>:@8==>W A8AB5<8, O:V 2?;820NBL =0 <5B01>;V7< 2C3;52>4V2, 01>
72>@>B=0 @53C;OFVO 3V?>3;V:5@CH5==O DC=:FVW I8B>284=>W 70;>78, =54>AB0B=VABL
DC=:FVW ?5@54=L>W 4>;V 3V?>DV70 01> :>@8 =04=8@:>28E 70;>7), >4=>G0A=5 ?@89<0==O 450:8E
;V:0@AL:8E 70A>1V2 (482. «70T<>4VO 7 V=H8<8 ;V:0@AL:8<8 70A>10<8»).

V:C20==O ;V0=>2>N :@>2V (>A>1;82> 70 :V;L:>ABO<8 ;59:>F8BV2 V B@<1>F8BV2). # AB@5A>28E
A8BC0FVOE (=0?@8:;04 =5I0A=V 28?04:8, C@35=B=V >?5@0FVW, V=D5:FVW, O:V
AC?@>2>46CNBLAO 30@OG:>N) <>65 1CB8 ?>:070=5 B825 ?5@52545==O E2>@>3> =0 V=AC;V=
5<0T 40=8E I>4> 70AB>AC20==O ;V0=>2C@ 4;O ?0FVT=BV2 V7 BO6:8< ?>@CH5==O< DC=:FVW
?5GV=:8 01> B8E, :>:070=89 4V0;V7. %2>@8E V7 A5@9>7=>N =8@:>2>N 01> ?5GV=:>2>N
=54>AB0B=VABN A;V4 ?5@525AB8 =0 70AB>AC20==O V=AC;V=C.
V:C20==O ?0FVT=BV2 7 45DVF8B< 3;N:>7>-6-D>AD0B453V4@>35=078 ?@5?0@0B0<8
AC;LD0=V;A5G>28=8 <>65 ?@8725AB8 4> @>728B:C 35<>;VB8G=>W 0=528=C.
@5?0@0B 7C, B>3> =5 A;V4 ?@87=0G0B8 ?0FVT=B0< 7 @V4:VA=8<8 A?04:>28<8 D>@<0<8
=5?5@5=>A8<>ABV 30;0:B>78, 45DVF8B<< ;0:B078 01> A8=4@<<< 3;N:>7>-30;0:B>7=>W
<0;L01A>@1FVW.

**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.**

40B=VABL 4> :>=F5=B@0FVW B0 H284:VABL @50:FVW<>6CBL 7=86C20B8AO 2=0A;V4>: 3V?>3;V:5
G5@57 ?>3V@H5==O 7>@C. &5 <>65 AB2>@N20B8 @878: C A8BC0FVOE, :>;8 B0:0 740B=VABL T
>A>1;82> 206;82>N (:5@C20==O 02B><>1V;5< 01> @>1>B0 7 <5E0=V7<0<8).
0FVT=BV2 A;V4 70AB5@V30B8, I>1 2>=8 =5 4>?CA:0;8 @>728B:C C A515 3V?>3;V:5@B=8< 70A>1>
A>1;82> AB>ACTBLAO B8E >AV1, O:V ?>30=> 01> 7>2AV< =5 <>6CBL @>7?V7=020B8 C A515 A8<8-
?@>2VA=8:8 3V?>3;V:5> =0?048 3V?>3;V:5

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

4=>G0A=5 70AB>AC20==O ;V0=>2C@ 7 ?52=8<8 ;V:0@AL:8<8 70A>10<8 <>65 A?@8G8=OB8 O:
?>A;01;5==O, B0: V ?>A8;5==O 3V?>3;V:5W 4VW 3;V<5?V@84C. "><>, I> 2=0A;V4>: >4=>G0A=>3>
70AB>AC20==O V=4C:B>@V2 (=0?@8:;04 @8D0 V=3V1VB>@V2 CYP2C9 (=0?@8:;04 D;C:>=07>;C) F59
<5B01>;V7< <>65 7A;V465==O 270T<>4VW Vn vivo ?>:070;8, I> D;C:>=07>;, >48= V7 =09A8;L=VH8E
V=3V1VB>@V2 CYP2C9, 71V;LHCT AUC 3;V<5?V@84C ?@81;87=> 242VGV. >B5=FV0FVO 5D5:BC
7=865==O @V2=O 3;N:>78 2 :@>2V, 0, >B65, 2 450:8E 28?04:0E V 3V?>3;V:5W 4VW, <5BD>@
A0;VF8;>20 :8A;>B0, V=3V1VB>@8 MAO, 0=01>;VG=V AB5@>W48 B0 G>;>2VGV AB0B52V 3>@<>=8,
EV=>;>=>2V 0=B81V>B8:8, ;:0@8B@>@0;, ?@>15=5F84, :C<0@8=>2V 0=B8:>03C;O=B8, =07>;,
D5=D;C@0?V@0:A8DV;V= (28A>:V 4>78 ?0@5=B5@0;L=>), DV1@0B8, B@8B>:20;V=, V=3V1VB>@8 \$,
D;C:>=07>;, D;C>:A5B8=, 0;>;?C@8=>;, A8;VB8:8, F8:;>-; B@>- B0 VD>AD0A;01;5==O 5D5:BC
7=865==O @V2=O 3;N:>78 2 :@>2V B0, 2V4?>2V4=>, 71V;LH5==O FL>3> @V2=O <>65 2V41C20B8AO,
>;8 E2>@89 >4=>G0A=> ?@89<0T B0:V ;V:8 5AB@>35=8 B0 ?@>35AB035=8; A0;C@5B8:8, BV0784>2V
4VC@5B8=8; ?@5?0@0B8, O:V AB8284=>W 70;>78, 3;N:>:>@B8:>W48; ?>EV4=V D5=>BV078=C,
E;>@?@<078=; 04@5=0;V= B0 A8;0
=B03>=VAB82-@5F5?B>@V2, 15B0-1;>:0B>@8, ;>=V48= B0 @575@?V= <>6CBL ?@872>48B8 O: 4>
>?B5=FV0FVW, B0: V 4> ?>A;01;5==O 5D5:BC 7=865==O @V2=O 3;N:>78 2 :@>2V.
V4 2?;82>< A8;VB8:V2, B0:8E O: 15B0-1;>:0B>@8, ;>=V48=, 3C0=5B84V= B0 @575@?V=, ?@>O28
04@5=5@3VG=>W 72>@>B=>W @53C;OFVW 3V?>3;V:5
;V<5?V@84 740B5= O: 71V;LHC20B8, B0: V 7<5=HC20B8 2?;82 ?>EV4=8E :C<0@8=C.

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

\$0@<0:>48=0

;V<5?V@84 ?5@>@0;L=89 3V?>3;V:5EV4=5 AC;LD>=V;A5G>28=8. ?;82 3;V<5?V@84C @50;V7CTBLAO H;OE<< AB87>N. @V< B>3>, 3;V<5?V@84 B0: A0<>, O: V V=HV ?>EV4=V AC;LD>=V;A5G>28=8, 9 <>2V@=>, G8=8BL 28@065=C 5:AB@0?0=:@50B8G=C 4VN.

82V;L=5==O V=AC;V=C. !C;LD>=V;A5G>28=0 @53C;NT A5:@5FVN V=AC;V=C, 70:@820NG8 "\$- GCB;82V :0;VT2V :0=0;8 =0 <5<1@0=V 15B0-;;VB8=8. "0:5 70:@8BBO ?@872>48BL 4> 45?>;O@870FVW ;;VB8==>W <5<1@0=8, 2=0A;V4>: G>3> 2V4:@820NBLAO :0;LFVT2V :0=0;8 V 4> ;;VB8=8 2E>48BL 25;8:0 :V;L:VABL :0;LFVN. &5 AB8< 5:7>F8B>7C. ;V<5?V@84 V7 28A>:>N A?>@V4=5=VABN ?@8T4=CTBLAO 4> 1V;;0 =0<5<1@0=V 15B0-;;VB8=, 72070=>3> 7 "\$-GCB;828< :0;VT28< :0=0;×, 0;5 =5 2 B> O:>3> 70728G09 ?@8T4=CTBLAO AC;LD>=V;A5G>28=0. :AB@0?0=:@50B8G=0 0:B82=VABL. :AB@0?0=:@50B8G=0 4VO ?>;O30T, 7>:@5<0, C ?V428I5==V GCB;82>ABV ?5@8D5@8G=8E B:0=8= 4> V=AC;V=C B0 7<5=H5==V 70E>?;5==O V=AC;V=C ?5GV=:>N. 5@5=5A5==O 3;N:>78 7 :@>2V 4> ?5@8D5@8G=8E <O7>2>W B0 68@>2>W B:0=8= 2V41C20TBLAO G5@57 A?5FV0;L=V B@0=A?>@B=V ?@>B5W=8, ;>:0;V7>20=V =0 ;;VB8==V9<5 <1@0=V. !0<5 B@0=A?>@B 3;N:>78 4> F8E B:0=8= T 5B0?<<, O:89 ;VT==O 3;N:>78. ;V<5?V@84 4C65 H284:> 71V;LHCT :V;L:VABL 0:B82=8E ?5@5=>A=8:V2 3;N:>78 =0 ?;070B8G=V9 <5<1@0=V <O7>28E B0 68@>28E ;;VB8=, AB8

030;L=V 2V4><>ABV. ;O 74>@>28E ;N459 0,6 <3. VO 3;V<5?V@84C T 4>7>70;56=>N B0 2V4B2>@N20=>N. \$V7V>;>3VG=0 2V4?>2V4L =0 V=B5=A82=5 DV78G=5 =020=B065==O, O:0 ?>;O30T C 7<5=H5==V A5:@5FVW V=AC;V=C, 715@V30TBLAO 9 ?VA;O 70AB>AC20==O 3;V<5?V@84C. AB>B=>W @V7=8FV C 4VW ?@5?0@0BC, ?@89=OB>3> 70 30 E2 4> 01> 157?>A5@54=L> ?5@54 W4>N, =5 A?>AB5@V30;>AO. # E2>@8E =0 4V015B >4=>:@0B=0 4>1>20 4>70 <>65 70157?5GC20B8 E>@>H89 <5B01>;VG=89 :>=B@>;L ?@>BO3<< 24 3>48=. %>G0 3V4@>:A8?>EV4=5 (<5B01>;VB 3;V <5?V@84C) A?@8G8=OT =525;8:5, 0;5 AB0B8AB8G=> 7=0GCI5 7=865==O @V2=O 3;N:>78 C A8@>20BFV :@>2V 74>@>28E ;N459, 9>3> 2=5A>: C 7030;L=C 4VN ;V:0@AL:>3> 70A>1C T =57=0G=8 ><1V=>20=0 B5@0?VO 7 V=AC;V=> 0=8E I>4> 70AB>AC20==O :><1V=>20=>W B5@0?VW 7 V=AC;V=>< T =51030B>. ;O ?0FVT=BV2, C O:8E <0:A8<0;L=0 4>1>20 4>70 3;V<5?V@84C =5 70157?5GC20;0 4>AB0B=L>3> 3;V:53> :>=B@>;N, <>6=0 @>7?>G0B8 AC?CB=N B5@0?VN V=AC;V=>E 4>A;V465==OE 1C;> 2AB0=>2;5=>, I> :><1V=0FVO B0: A0<> ?>;V?HCT <5B01>;VG=89 :>=B@>;L, O: V <>=>B5@0?VO V=AC;V=><, >4=0: ?V4 G0A :><1V=>20=>W B5@0?VW <>6=0 70AB>A>2C20B8 =86GV 4>78 V=AC;V=C.

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

IA>@1FVO. V>4>ABC?=VABL 3;V<5?V@84C ?VA;O ?5@>@0;L=>3> 22545==O T ?>2=>N. 6820==O W6V =5 A?@8G8=8BL VAB>B=>3> 2?;82C =0 01A>@1FVN, ;8H5 45I> 7=86CTBLAO WW H284:VABL. 0:A8<0;L=0 :>=F5=B@0FVO 2 A8@>20BFV :@>2V (Cmax) 4>AO30TBLAO ?@81;87=> G5@57 2,5 3>48= ?VA;O ?5@>@0;L=>3> ?@89>1>28E 4>7 4 <3). V6 4>7>N B0 Cmax V AUC (?>;I0 ?V4 D0@ <0:>:V=5B8G=>N :@82>N :>=F5=B@0FVO/G0A) VA=CT ;V=V9=0 70;56=VABL. >7?>4V.; ;V<5?V@84 <0T 4C65 =87L:89 >1T< @>7?>4V;C (?@81;87=> 8,8 ;), O:89 ?@81;87=> 4>@V2=NT >1T7?>4V;C 0;L1C

V>B@0=AD>@<0FVO B0 5;V !5@54=V9 G0A =0?V2282545==O, O:89 70;568BL 2V4 :>=F5=B@0FVW 2 A8@>20BFV :@>2V, 70 C<>28 70AB>AC20==O 1030B>:@0B=8E 4>7 AB0=>28BL 5-8 3>48=. VA;O 70AB>AC20==O 28A>:8E 4>7 A?>AB5@V30;8AO 45I> 4>2HV ?5@V>48 =0?V2282545==O. VA;O 70AB>AC20==O >4=>:@0B=>W 4>78 3> @04V>0:B82=>N N 3;V<5?V@84C 58 % AO 2 A5GV, 0 35 % C D5:0;VOE. # =5728=0 4> A5GV =5 ?>B@0?;OT. 7 A5G5N B0 D5:0;VO<8 28E>4OBL 420 <5B01>;VB8 =09V <>2V@=VH5, ?@>4C:B8 <5B01>;V7A=>2=89 D5@<5=B F8B>E@<< P2C9): 3V4@>:A8?>EV4=5 B0 :0@1>:A8?>EV4=5. VA;O ?@89>AB59 C D0@<0:>:V=5B8FV ?VA;O 70AB>AC20==O >4=>:@0B=>W B0 1030B>:@0B=8E 4>7, 0 20@V015;L=VABL @57C;LB0BV2 4;O >4=>3> V=482V40 1C;0 4C65 =87L:>N. =0G=>W 0:CAB5@V30;>AO. \$0@<0:>:V=5B8:0 1C;0 ?>4V1=>N C G>;>2V:V2 B0 6V=>;, 0 B0:>6 C ?0FVT=BV2 <>;>48E V ;VB=L>3> 2V:C (AB0@H5 65 @>:V2). ;O ?0FVT=BV2, C O:8E :;V@5=A :@50B8=V=C T =87L:8<, A?>AB5@V30;0AO B5=45=FVO 7@>AB0==O ;;V@5=AC B0 7<5=H5==O A5@54=VE A8@>20B:>28E :>=F5=B@0FV9 3;V<5?V@84C, ?@8G8=>N G>3> T, =09V<>2V@=VH5, H284H0 9>3> 5;V: 3V@H>3> 7207C20==O 7 1V;:0<8. 82545==O 42>E <5B01>;VBV2 =8@:0<8 7 <5=HC20;>AO. >40B:>2>3> @878:C 0:C< =5 1C;>.

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

A=>2=V DV78:-EVABV:

;V0=>2® B01;5B:8 ?> 1 <3 B01;5B:8 4>230AB>W D>@<8 7 42>>?C;:>N ?>25@E=5N, A;01:>3> @>652>3>
;>;L>@C, 7 @8A:>N B0 2V418B:><<85>> 7 >4=>3> 1>;C;
;V0=>2® B01;5B:8 ?> 2 <3 B01;5B:8 4>230AB>W D>@<8 7 42>>?C;:>N ?>25@E=5N, A;01:>3> 75;5=>3>
;>;L>@C, 7 @8A:>N B0 2V418B:><<84>> 7 >4=>3> 1>;C;
;V0=>2® B01;5B:8 ?> 3 <3 B01;5B:8 4>230AB>W D>@<8 7 42>>?C;:>N ?>25@E=5N, A;01:>3> 6>2B>3>
;>;L>@C, 7 @8A:>N B0 2V418B:><<83>> 7 >4=>3> 1>;C;
;V0=>2® B01;5B:8 ?> 4 <3 B01;5B:8 4>230AB>W D>@<8 7 42>>?C;:>N ?>25@E=5N, A;01:>3> A8=L>3>
;>;L>@C, 7 @8A:>N B0 2V418B:><<82>> 7 >4=>3> 1>;C.

"5@ABV.3 @>:8.

#<>28 715@V30==O. 15@V30B8 C =54>ABC?=>□!

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

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

8@>1=8:.

;L-%V:<0 \$0@<0ALNB8:0;7/
Al-Hikma Pharmaceuticals.

VAF57=0E>465==O.

0/A 182400, <<0= 11118, >@40=VO/
P.O.Box 182400, Amman 11118 Jordan.