

!" #&/
4;O <548G=>3> 70AB>AC20==O ;V:0@AL:>3> 70A>1C

!&!"
(SALICYLIC ACID)

!;:04:

4VNG0 @5G>28=0: A0;VF8;>20 :8A;>B0;
100 <; @>7G8=C 2>W :8A;>B8 1 3;
4>?>28=0: 5B0=>; 70 %.

V:0@AL:0 D>@<0. >7G8= 4;O 7>2=VH=L>3> 70AB>AC20==O, A?8@B>289 1 %.
A=>2=V DV78:>-EVABV: ?@>7>@0 15710@2=0 @V48=0.

\$0@<0:>B5@0?52B8G=0 3@C?0. □5@<0B>;>3VG=V 70A>18. >4 "% D01A E12.

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

=B8A5?B8G=89 70AV1. @8AC20==V G8=8BL ?@>B81=C, ?>4@07=N20;L=C, 2V42>;V:0NGC 4VN.

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

>:070==O.

0AB>A>2C20B8 ?@8 V=D5:FV9=8E C@065==OE H:V@8: 728G09=8E 2C3@0E, ?V>45@

@>B8?>:070==O.

V428I5=0 V=482V4C0;L=0 GCB;82VABL 4> ?@5?0@0BC.

A>1;82V 70E>48 157?5:8.

5 4>?CA:0B8 ?>B@0?;O==O ?@5?0@0BC 2 >GV, =5 =0=>A8B8 =0 A;87>2V >1>;>=:8.

5 A;V4 ?>@CHC20B8 ?@028;0 70AB>AC20==O ;V:0@AL:>3> 70A>1C, F5 <>65 70H:>48B8 74>@>2N.

@5?0@0B =5 <>6=0 70AB>A>2C20B8 ?VA;O 70:V=G5==O B5@ABV, 707=0G5=>3> =0 C?0:>2FV.

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

VAF525 70AB>AC20==O A0;VF8;>2>W :8A;>B8 =5 A;V4 ?>T4=C20B8 7 ?5@>@0;L=8< 70AB>AC20==O

< ?@5?0@0BV2, O:V 2C :8A;>BC B0 V=HV =5AB5@>W4=V ?@>B870?0;L=V 70A>18. 5

70AB>A>2C20B8 @07><< 7 15=7>W;-?5@>:A84< V

!0;VF8;>20 :8A;>B0 <>65 ?V428I8B8 ?@>=8:=VABL H:V@8 4;O V=H8E ;V:0@AL:8E 70A>1V2 4;O3>

70AB>AC20==O V B8< A0<8< 71V;LH8B8 WE ?>B@0?;O==O 2 >@30=V7@0;L=8E ?@>B84V015B8G=8E

?@5?0@0BV2 ?>EV4=8E AC;LD>=V;A5G>28=8.

/:I> 8 ?@89<0TB5 1C4L-O:V V=HV ;V:0@AL:V 70A>18, >1>2O7:>2> ?>2V4> F5 ;V:0@O.

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

5 A;V4 =0=>A8B8 ?@5?0@0B =0 25;8:V 4V;O=:8 H:V@8.

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

?5@V>4 203VB=>ABV 01> 3>4C20==O 3@C44N 70AB>AC20==O ?@5?0@0BC <>6;825 ;8H5 B>4V,

:>;8 >GV:C20=0 :>@8ABL 4;O <0B5@V ?5@528ICT ?>B5=FV9=89 @878: 4;O ?;>40 01> 48B8=8.

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

5 2?;820T.

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

0AB>A>2C20B8 7>2=VH=L>, 7<0ICNG8 01> @>7B8@0NG8 C@065=V 4V;O=:8 H:V@8 20B=8< B0=<<, ?@>A>G5=8< ?@5?0@0B<<, 2-3 @078 =0 4>1C.
C@A ;V:C20==O 287=0G0T ;V:0@ 70;56=> 2V4 ?5@51V3C B0 BO6:>ABV 70E2>@N20==O.

VB8.

5 70AB>A>2C20B8 4VBO< 2V:<< 4> 12 @>:V2.

5@54>7C20==O.

@8 70AB>AC20==V 25;8:8E 4>7 ?@5?0@0BC <>65 ?>A8;8B8AO :5@0B>;VB8G=0 4VO B0 0;5@3VG=V @50:FVW. # B0:>1EV4=> 7<8B8 2>4>N, 725@=CB8AO 70 :>=AC;LB0FVTN 4> ;V:0@O. "5@0?VO A8 <0B8G=0.

>1VG=V @50:FVW.

>6;82V 7:C H:V@8: ACEVABL, ;CI5==O, ?>4@07=5==O, :=B0:B=89 45@<0B8B, ?@>O28 0;5@3VG=8E @50:FV9 (:@>?82O=:0, A25@1V6), I> ?>B@51CNBL 2V4 @8 B@820;>AC20==V <>6;825 2A<>:BC20==O ?@5?0@0BC 2 7030;L=89 :@>2>>1V3 V @>728B>: E0@0:B5@=8E 4;O A0;VF8;0BV2 ?>1VG=8E 5D5:BV2: HC< C 2CE0E, 70?0<>@>G5==O, 1V;L 2 5?V30AB@VW, =C4>B0, 1;N20==O, 0F84>7, ?@8H284H5=5 48E0==O. # @07V ?>O28 1C4L-O:8E =51060=8E O28I =5>1EV4=> 725@=CB8AO 4> ;V:0@O!

"5@ABV. 3 @>:8.

#<>28 715@V30==O.

15@V30B8 ?@8 B5=54>ABC?=>

#?0:>2:0. > 40 <; 01> 25 <; C D;0:>=0E.

0B53>@VO 2V4?CA:C. 57 @5F5?B0.

8@>1=8:.

"<<<\$0@<0F52B8G=0 D01@8:0>>.

VAF57=0E>465==O 28@>1=8:0 B0 9>3> 04@5A0 ?@>20465==O 4VO;L=>ABV.

#: @0W=0, 10014, <. 8B><8@, 2C;. 5@<>=B>2AL:0, 5.

!" #&/

4;O <548G=>3> 70AB>AC20==O ;V:0@AL:>3> 70A>1C

!&!"

(SALICYLIC ACID)

!;:04:

4VNG0 @5G>28=0: A0;VF8;>20 :8A;>B0;
100 <; @>7G8=C 2>W :8A;>B8 1 3;
4>?>28=0: 5B0=>; 70 %.

V:0@AL:0 D>@<0. >7G8= 4;O 7>2=VH=L>3> 70AB>AC20==O, A?8@B>289 1 %.

A=>2=V DV78:>-EVABV: ?@>7>@0 15710@2=0 @V48=0.

\$0@<0:>B5@0?52B8G=0 3@C?0. □5@<0B>;>3VG=V 70A>18. >4 "% D01A E12.

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

=B8A5?B8G=89 70AV1. @8AC20==V G8=8BL ?@>B81=C, ?>4@07=N20;L=C, 2V42>;V:0NGC 4VN.

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

>:070==O.

0AB>A>2C20B8 ?@8 V=D5:FV9=8E C@065==OE H:V@8: 728G09=8E 2C3@0E, ?V>45@

@>B8?>:070==O.

V428I5=0 V=482V4C0;L=0 GCB;82VABL 4> ?@5?0@0BC.

A>I;82V 70E>48 157?5:8.

5 4>?CA:0B8 ?>B@0?;O==O ?@5?0@0BC 2 >GV, =5 =0=>A8B8 =0 A;87>2V >1>;>=:8.

5 A;V4 ?>@CHC20B8 ?@028;0 70AB>AC20==O ;V:0@AL:>3> 70A>1C, F5 <>65 70H:>48B8 74>@>2N.
@5?0@0B =5 <>6=0 70AB>A>2C20B8 ?VA;O 70:V=G5==O B5@ABV, 707=0G5=>3> =0 C?0:>2FV.

70T<>4V0 7 V=H8<8 ;V:0@AL:8<8 70A>10<8 B0 V=HV 2848 270T<>4V9.

VAf525 70AB>AC20==O A0;VF8;>2>W :8A;>B8 =5 A;V4 ?>T4=C20B8 7 ?5@>@0;L=8< 70AB>AC20==O
< ?@5?0@0BV2, O:V 2C :8A;>BC B0 V=HV =5AB5@>W4=V ?@>B870?0;L=V 70A>18. 5

70AB>A>2C20B8 @07<< 7 15=7>W;-?5@>:A84<× V

!0;VF8;>20 :8A;>B0 <>65 ?V428I8B8 ?@>=8:=VABL H:V@8 4;O V=H8E ;V:0@AL:8E 70A>1V2 4;O3>
70AB>AC20==O V B8< A0<8< 71V;LH8B8 WE ?>B@0?;O==O 2 >@30=V7@0;L=8E ?@>B84V015B8G=8E
?@5?0@0BV2 ?>EV4=8E AC;LD>=V;A5G>28=8.

/:I> 8 ?@89<0TB5 1C4L-O:V V=HV ;V:0@AL:V 70A>18, >I>2O7:>2> ?>2V4> F5 ;V:0@O.

A>I;82V 70AB>AC20==O.

5 A;V4 =0=>A8B8 ?@5?0@0B =0 25;8:V 4V;O=:8 H:V@8.

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

?5@V>4 203VB=>ABV 01> 3>4C20==O 3@C44N 70AB>AC20==O ?@5?0@0BC <>6;825 ;8H5 B>4V,
:>;8 >GV:C20=0 :>@8ABL 4;O <0B5@V ?5@528ICT ?>B5=V9=89 @878: 4;O ?;>40 01> 48B8=8.

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

5 2?;820T.

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

0AB>A>2C20B8 7>2=VH=L>, 7<0ICNG8 01> @>7B8@0NG8 C@065=V 4V;O=:8 H:V@8 20B=8< B0=><,
?@>A>G5=8< ?@5?0@0B<<, 2-3 @078 =0 4>1C.

C@A ;V:C20==O 287=0G0T ;V:0@ 70;56=> 2V4 ?5@51V3C B0 BO6:>ABV 70E2>@N20==O.

VB8.

5 70AB>A>2C20B8 4VBO< 2V:< 4> 12 @>:V2.

5@54>7C20==O.

@8 70AB>AC20==V 25;8:8E 4>7 ?@5?0@0BC <>65 ?>A8;8B8AO :5@0B>;VB8G=0 4VO B0 0;5@3VG=V
@50:FVW. # B0:>1EV4=> 7<8B8 2>4>N, 725@=CB8AO 70 :>=AC;LB0FVTN 4> ;V:0@O. "5@0?VO A8
<0B8G=0.

>1VG=V @50:FVW.

>6;82V 7:C H:V@8: ACEVABL, ;CI5==O, ?>4@07=5==O, :>=B0:B=89 45@<0B8B, ?@>O28 0;5@3VG=8E
@50:FV9 (:@>?82O=:0, A25@1V6), I> ?>B@51CNBL 2V4

@8 B@820;>AC20==V <>6;825 2A<>:BC20==O ?@5?0@0BC 2 7030;L=89 :@>2>>1V3 V @>728B>:

E0@0:B5@=8E 4;O A0;VF8;0BV2 ?>1VG=8E 5D5:BV2: HC< C 2CE0E, 70?0<>@>G5==O, 1V;L 2

5?V30AB@VW, =C4>B0, 1;N20==O, 0F84>7, ?@8H284H5=5 48E0==O.

@07V ?>O28 1C4L-O:8E =51060=8E O28I =5>1EV4=> 725@=CB8AO 4> ;V:0@O!

"5@ABV. 3 @>:8.

#<28 715@V30==O.
15@V30B8 ?@8 B5=54>ABC?=>

#?0:>2:0.> 40 <; 01> 25 <; C D;0:>=0E.

0B53>@VO 2V4?CA:C. 57 @5F5?B0.

8@>1=8:.
"««\$0@<0F52B8G=0 D01@8:0».

VAF57=0E>465==O 28@>1=8:0 B0 9>3> 04@5A0 ?@>20465==O 4VO;L=>ABV.
#:@0W=0, 12430, 8B><8@AL:0 >1;., 8B><8@AL:89 @-=-, A. !B0=8HV2:0, 2C;. >@>;L>20, 1. 4.