

# **POLS5130**

±bhYfbUh]cbU``DYUWY`UbX`GYWif]hm

HYfa 'C bY''##'&\$%

## 7 ci fgY Cj Yfj ]Yk

## GHJZZ:7cbHJWh:8YHJ]`g`

### 7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`] <b>m</b>	@cWUhjcb	D\cbY
5`YI UbXYf'? cfc`Yj	U"_cfc`Yj 4 i bgk "YXi "Ui	9	A cfj Yb 6fck b	Ž*%'&'-',) %',(

## GWXcc`7cbHJWhi±bZcfa Uhjcb

GWXcc``cZGcWJU``GWJYbWYg

Fcca '%) -

A cfj Yb 6fck b 7 &\$

Ya U]`. 'gcgg4 i bgk "YXi "Ui

d\cbY. '\$&'-',) '% \$+

## 7ci fgY 8YW] g

#### 7 fYX]hDc]bhg \* \*

#### Gi a a UfmcZh\Y'7ci fgY

#### 7ci fgY @YUfb]b[ Ci hWca Yg

- %" F YWc[b]gYžWca dUfYž'UbX'Udd`mX]ZZYfYbhh\YcfYhWD`dUfUX][a gž'UddfcUW\Ygž'UbX'WcbWYdhg`hc UbU`mgY'UbX'YI d`U]b'j Uf]ci q'[`cVU`'UbX'fY[]cbU``gYW f]hmW\U``Yb[Yq
- &" 5ddfYV)JUHY'h\Y'ghfYb[h\g'UbX``]a ]hg'cZh\Y'YI ]gh]b['h\YcfYh]WU``ZfUa Yk cf\_g']b'YI d`U]b]b['\_Ymi]ggi Yg ]b'['cVU``UbX']bHYfbUh|cbU`'qYW f]lm'UZZJ]fg
- ' "5bU`mgY`UbX`UddfU]gY`h\Y`]bhYfbUh]cbU``gYW`f]mmW\U``Yb[Yg`WcjYfYX`]b`h\Y`WcifgY`Ug`kY```Ug`h\Y ghJ\_YgžUddfcUW\Ygž'dc`]W]Ygž'X]`Ya a Ugž'UbX`VY\Uj]cif`dUhYfbg`cZh\Y`]bjc`jYX`d`UmYfg

### HYUW ]b[ 'GhfUhY[ ]Yg'

5g'U'A Ugh'fg'`Yj Y``Wci fgYžDC@G) % \$`]g`]bh'bXYX`Vch\`hc`gi dd`Ya YbhYl ]gh]b[`\_bck `YX[Y`UbX Yl dYf]YbW\`UbX`U`gc`hc`XYj Y`cd`Yl dYfh]gY`]b`h\Y`UbU`mg]g`cZh\Y`\_Ym]ggi Yg`]b`5i ghfU`]Ub`ZcfY][ b`dc`]Wh' H\Y`Wci fgY`]g`VUgYX`cb`h\Y`Uggi a dh]cb`h\Uhighi XYbhg`\Uj Y`Ub`UWlj Y`fc`Y`hc`d`Um]b`h\Y`YUfb]b[ 'dfcW\gg UbX`UfY`UWlj Y`dUfh]W]dUbhg`]b`h\Y`dfcXi Wljcb`cZ\_bck `YX[Yžk\Yh\Yf`h\Ym\Uj Y`df]cf`\_bck `YX[Y`cf Yl dYf]YbW\cZh\YgY`]ggi Yg`cf`bch'H\i gž'h\Y`Wci fgY`UWlj Y`mYb[U[Yg`ghi XYbh]bj c`j Ya Ybhh\fci [\]bXYdYbXYbhfYUX]b[ ž`WUgg`dUfh]WdUh]cb`UbX`h\Y`dfYdUfUh]cb`UbX`dfYgYbhUh]cb`cZk f]hhYb`k cf\_"

H\]g`Wci fgY`gYY\_g`hc`XYj Y`cd`mci f`Wf]h]WU``UbU`mg]g`UbX`Wca a i b]WUh]cb`g\_]``g`UbX`dfcj ]XY`ghfi Whi fYX `YUfb]b[ 'gc'h\Uhmci 'a UmUdd`mih\Y`\_bck `YX[ Y`[ U]bYX`X]fYWhmhc`dfYgYbhUbX`Z hi fY`WUfYYfg']b`Vi g]bYggž h\Y`di V`]WgYWcf`UbX`h\Y`bcb![ cj Yfba YbhgYWcf"`H\Y`Wci fgY`]g`XYg][ bYX`hc`Wcblf]Vi hY`hc`Ub`]bWi g]j Y W ff]W`i a `]b`h\Y`ghi XmcZ\bhYfbUh]cbU``F Y`Uh]cbg"

DC@G) % \$`]g`XYg][ bYX`Ug`U`gYa ]bUf`fk ]h\`UXX]h]cbU``cb`]bY``YUfb]b[ `UWfj ]h]YgŁ]b`cfXYf`hc`a YYhih\Y YUfb]b[ ci hWca Yg`]XYbh]Z]YX`UVcj Y"5 gYa ]bUf`Wb`VY`XYZ]bYX`Ug`U`WUgg`WcbXi WhYX`h\ci [\`UWfj Yghi XYbhX]gW gg]cbg`Ug`cddcgYX`hc`U``YWf fY`]b`k\]W\`h\Y``YWf fYf`U`cbY`i gi U``m`WcbXi Wg`h\Y`X]gW gg]cb" cf`YUW\`gYa ]bUf`=k]```dfcj ]XY`U`Vf]YZdfYgYbhUh]cb`hc`]bhfcXi WY`h\Y`k YY\_'g`hcd]WUbX`a U]b`h\Ya Yg`UbX`hc ZfUa Y`h\Y`fYUX]b[ g`UbX`X]gW gg]cb`Zcf`h\Uhhcd]W`H\Y`gYa ]bUf`X]gW gg]cbg`k]```dfcj ]XY`U`ghfi Wf fYX Ybj ]fcba Ybh']b`k\]W\`mci `WUb`YI d`cfY`mci f`cd]b]cbgž`W\U``Yb[ Y`W ffYbhVY`]YZg`UbX`XYj Y`cd`bYk WcbWdhi U``hcc`g`UbX`i bXYfghUbX]b[ g"

5 b 'Ya d\Ug]g'k ]```VY'd`UWYX'cb'ghi XYbh'YX'`YUfb]b[ 'UbX'X]gW gg]cbž'UbX']hi]g'YI dYWYX'h\Uh'U```ghi XYbhg k ]```UWfj Y`mWcbhf]Vi hY'hc'[ fci d'UbX'WUgg'X]gW gg]cbg"'Mci 'k ]```U`gc'VY'YI dYWYX'hc'Yb[ U[ Y']b ]bXYdYbXYbh'ghi Xmži g]b[ 'h\Y'fYUX]b[ '`]ghg'dfcj ]XYXž'UbX'\Uj Y'dfYdUfYX'df]cf'hc'YUW\'gYa ]bUf'Vm Wca d'Yh]b[ 'h\Y'fYei ]fYX'fYUX]b[ g'UbX'Ug'a UbmcZh\Y'fYWca a YbXYX'fYUX]b[ g'Ug'dcgg]V'Y"

## 5ggYgga Ybh

5g·fY`Uhjj Y`mZYk `UfhJWYg'UfY`Ugg][ bYX`YUW\ k YY\_ž'mci `UfY`fYei ]fYX`hc`fYUX`U```cZh\Ya `WUfYZ ``mVYZcfY Wca ]b[ 'hc`WUgg"`5Whjj Y`UbX`]bZcfa YX`X]gWi gg]cbg`UfY`j ]hU``hc`h\Y``]ZY`cZh\Y`Wci fgY"`9j Yfmghi XYbhi]g YI dYWYX`hc`UWhjj Y`mWcbhf]Vi hY`hc`h\Y`gW\c`Uf`mYI W\Ub[ Y`h\fci [ \ci hh\Y`Wci fgY"`F Y[ i `Uf`Wcbhf]Vi h]cbg k ]```\Y`d`mci 'hc`gi WWYYX`]b`h\Y`gYa ]bUf`UbX`k ]``Yb\UbW\`h\Y``YUfb]b[ 'YI dYf]YbW\`cZU```dUfh]W]dUbhg f]bWi X]b[ 'a ]bYŁ"

#### 5ggYgga Ybh'HUg\_g'

5ggYgga Ybh'hUg_	K Y][\h	8iY'8UHY	Gh XYbh@YUfb]b[ Ci hWca Ygʻ5ggYggYX
7`Ugg': UWj]hUhjcb'	&\$I	Bch5dd`]WUV`Y	&
G\cfh'9ggUm	&\$I	&&#\$' #&\$% `%%\$\$`DA</td><td>%</td></tr><tr><td>: ]bU``9ggUm</td><td>*\$1</td><td>\$*#\$)#&\$%-'%%\$\$`DA</td><td>%ž&Ž</td></tr></tbody></table>	

#### 5ggYgga Ybh8YhJ]`g

5ggYgga Ybh% 7`Ugg: UWJ`]hUh]cb

GhUfhXUhY. Bch5dd`]WUV`Y

**8 YHJ]`g.** `%) ! &\$ `a ]b `WUgg`ZJW]`]HUH]cb `VUgYX`cb`Ugg][ bYX`fYUX]b[ g`]b`[ fci dg`cZ' `cf`( `ghi XYbhg"5```ghi XYbhg k ]```fYWY]j Y`h\Y`gUa Y`a Uf\_"`Mci `k ]```fYW]Yj Y`k f]HhYb`ZYYXVUW\_k ]h\]b `%\$`k cf\_]b[ `XUmg`cZmci f`ZJW]`]HUH]cb"

#### 5XX]h]cbU`XYhJ]`g.

H\]g'UggYgga YbhfYei ]fYg'mci 'hc'gYfj Y'Ug'"\\\]YZX]g\\ ggUbhg''cZh\Y'fYUX]b[g']b'h\Y'gYa ]bUf'Uh`YUgh cb\\ Xi f]b['h\Y'\cin fgY"'8 YdYbX]b['cb'h\Y'g]nY'cZh\Y'\WJggžYU\\ k YY\_cbY'hc'Zci f'ghi XYbhg'k ]``k cf\_'Ug U'hYUa 'UbX``YUX'cZZh\Y'X]g\\ gg]cb"'H\Y'dfYgYbh\fg'a i gha U\_Y'U'\\)!&\$'a ]b'dfYgYbh\h]cb'cZh\Y'k YY\_'g fYUX]b[g'UbX'\ZU\\]hUh'X]g\\ gg]cb"'F Uh\Yf'h\Ub'g]a d`mgi a a Uf]n]b['h\Y'fYUX]b[g'i bXYf'ei Ygh]cb fdfYgi a UV`mU``k ]``\Uj Y'fYUX']h\Z'h\Y'X]g\\ gg]cb'\ZU\\]jhUhcfg'g\ci 'X'\\f\]h\W\`mYb[U[Y'k]h\Th\Y'a UhYf]U``UbX hYUgY'ci hgdY\\Z]\\eig Ygh]cbg'cf'dfcV'Ya g'h\Uh'UddYUf'k cfh\mcZUhhYbh]cb"'5``ghi XYbhg']b'U'[fci d XY'Y[UhYX'k]h\Y'X]g\\ gg]cb'\k]'``fY\\Y'] Y'h\Y'gUa Y'a Uf\_"

Hi fb]hjb gYhjb[. H\]g ]g bchU Hi fb]hjb Ugg][ ba Ybh

5ggYgga Ybh& G\cfh9ggUm

GhUfhXUhY. Bch5dd`]WUV`Y

 $8YHJ]^*g. \% $$^k cfX^YggUmVUgYX^cb^Wci^fgY^fYUX]b[g''Mci^k]^*fYWJYjY^k f]HMb^ZYYXVUW_k^k]h\]b^Ws^k cf_]b[XUmg''$ 

#### 5XX]h]cbU`XYhJ]`g.

Mci 'UfY'fYei ]fYX'hc'dfYdUfY'U'g\cfhYggUm-'U'"fYUWfJcb'd]YW""-'cZ%) \$\$`k cfXgžk\]W\'g\ci `X'dfYgYbh mci f'fYgdcbgY'hcž'UbX'Wf]hJei Y'cZz'h\Y'a U'cf'Uf[i a Ybhg'Zfca 'U'k YY\_'g'fYUX]b[g"'Mci 'WJb'gY'YWh\Y'k YY\_

cZmci f`]bhYfYghhc`fYZYWicbžVi himci f`gY`YWIjcb`g\ci `X`VY`X]ZZYfYbhZfca `h\Y`k YY\_`cZmci f`WUgg`ZUWj`]hUhjcb f5 gg][ ba Ybh'%±"'H\]g`YggUm`]g`Xi Y`cb`A UfW\`&&"`Mci `k ]```fYWY]j Y`k f]hhYb`ZYYXVUW\_`k ]h\]b`'%\$`k cf\_]b[XUmg"

		=g`dYUV\\Z``dckYf`lfUbg]h]cb`VYlkYYb`h\Y`Ib]h\X GhUhYg`UbX`7\]bU`dcgg]V`Y`cf`]g`h\Y`kcfX`g`]X]b[ ]bhc`h\Y`H\iWhX]XYg`lfUd3`K\Uh'UfY`h\Y`]ad`]\WJh]cbg c <b>Z7\]bU'g`Wcbh</b> ]bicig`f]gYchc\h\Y`kcfX`dYU\\3 cbg
K YY_'(.''‱'A UfWX'!'%+ A UfWX	GYa ]bUf	Figg]Ugʻ:cfY][bʻDc`]WmFYgif[YbWYʻUbX ≢bHYfbUh]cbU`GYWif]hmfAUf"'‱Ł
		K \cž]ZUbmcbYž]g`hc`V`Ua Y`Zcf`h\Y`XYhYf]cfUh]cb`cZ Figg]U!K YghfY`Uh]cbg`—`Figg]Užh\Y`K Yghžcf`Vch\3 K \UhUfY`h\Y`Xf]j]b[`ZcfWYg`VY\]bX`UbX`h\Y ]a d`]WUh]cbg`cZFigg]U'g`[fck]b[`fYgif[YbWY3
K YY_').'% 'A UfWX'!'&( A UfWX	GYa ]bUf	H\Y`GdfYUX`cZBIWYUf`KYUdcbg`UbX`h\Y`Bcfh\?cfYUb`BiWYUf`7f]g]g`fAUf"`%Ł
		WbWnithNorightInngiik %UndocicVtU]bibi WYUfik YUdobg3 K \UniUfYih\YifUa]ZWUnjobgicZbi WYUfidfojZYfUnjob3 5fYibYkibi WYUfik YUdobgigtUnYgii]_Yimhoi gYih\Yjf UfgYbUigi]biWf]gYgiofiVmUVWJXYbhofi]gih\Yidok YficZ bi WYUfiXYhYffY86Wigdighfob@jhhiUnYdYUWikX]%&hfYj U]i XYgd]hYiZYUfgihoih\YiWobhfUfm3
K YY_'*.'&) 'A UfWX'!'' % A UfWX	GYa ]bUf	Ga U```GHJHYgʻ5a]Xgh; fYUhDckYfʻ7cadYHJh]cb UbX`h\Y`Gcih\`7\]bU`GYU`8]gdihY`fAUf"`&*Ł

		W]a UhY`W\Ub[Y`cb`]bhYfbUh]cbU``fY`Uh]cbg`UbX gYW f]hm3
K_YY_''%)	GYa ]bUf	7]j]``7cbZ]WMrFY`][]cig'9lhfYa]gaž'UbX HYffcf]ga 'f5df"'%*Ł
		<pre>&lt; ck 'a i W\ 'Xc'k Y'i bXYfghUbX'hYffcf]ga 3'K \Uh']g']hg bUhi fY'UbX'\ck 'hc'WcbW'dhi U']nY']h3' &lt; Ug'h\Y YggYbW'cZhYffcf]ga 'W\Ub[YX'cj Yf'h\Y'`Ugh XYWUXYgž'UbX'\ck 'hc'`cWUhY'hYffcf]ga ']b'h\Y'WcbhYl h cZ]bhYfbUh]cbU`'gYW f]hm'UbX'dYUW'3'K \Uh'WUi gYg Wj] ]''WcbZ]W8'5fY'h\Y'WUi gYg'df]a Uf]'m XYa c[fUd\]M*[Yc[fUd\]WU'žfYgci fWY!fY`UhYXž'cf YWcbca ]W8'K \Uhifc'Y'Xc']XYbh]hm'UbX'ghUhY'WJdUW]hm d`Um—'UfY'h\Ym'WUi gY'cf'YZZYW'8'K \UhiUfY'h\Y ]a d`]WUh]cbg'Zcf']bhYfbUh]cbU`'gYW f]hm'UbX'dYUW'3</pre>
K YY_`%\$.`&&`5df]``!`&, 5df]`	GYa ]bUf	7 mVYf GYW f]miUbX = hYfbUh]cbU F Y`Uh]cbg fC Wi' &'  K \Uh]g \widetildown Yf gYW f]m3 = g \widetildown Yf k Uf \VYhk YYb gHJh/g [c]b[ hc \UddYb3 < ck hc \web\widetildown dh U`]nY \winvYf h\fYUhg \UbX k \Uh\UfY h\Y]a d`]\widetildown Zef ]bH/fbUh]cbu`'dYUW \UbX gYW f]m3 \cdots

## FYgci fWyg

#### DfYgWf]VYX F Ygci fWYg

5```fY`Yj Ubh'Wci fgY`]bZcfa Uh]cb`UbX`fYei ]fYX`fYUX]b[g`UfY`Uj U]`UV`Y`cb`h\Y`A ccX`Y`g]hY`Zcf`h\]g`Wci fgY" D`YUgY`fY[i `Uf`mV\\YW\_Zcf`i dXUhYgž'Ubbci bW\a Ybhgž'UbX`ch\Yf`fY`Yj Ubh'Wci fgY!fY`UhYX`]bZcfa Uh]cb`cb A ccX`Y"

#### FYWca a YbXYX FYgci fW/g

±DZcfa Uhjcb'UVci h'UXX]hjcbU``fYUX]b[g'UbX`fYgci fW/g']g'U`gc'a UXY'Uj U]`UV`Y'cb'h\Y'A ccX`Y'g]hY'Zcf'h\]g Wci fgY"

#### 7ci fgY 9j U'i Uhjcb UbX 8Yj Y'cda Ybh

Ghi XYbhiZYXVUW\_žVch\ 'Zcfa U``UbX']bZcfa U`ž]g'k Y`Wca Y`UbX'j U`i YXž'UbX'k ]``VY`Wcbg]XYfYX'gYf]ci g`mZcf h\Y`Wcbf]bi YX']a dfcj Ya YbhcZh\]g'Wci fgY"'Ghi XYbhg'k ]``VY'Ug\_YX'hc'[]j Y'Zcfa U``ZYXXVUW\_hck UfXg'h\Y YbX'cZh\Y'gYa YghYf'h\fci [\\I BGK 'g'A m9I dYf]YbW'gi fj YmdfcW'gg"'Ghi XYbhg'UfY'U`gc'ghfcb[`m YbWci fu[YX'hc'[]j Y'ZYYXVUW\_'fIcfa U``cf']bZcfa U`L'cb``YUfb]b['UbX'hYUW\]b['UWfj] ]h]Yg'h\fci [\\ci hih\Y Wci fgY"

#### Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

Hi fb]h]b Gi Va ]gg]cb

#mci YbWci bhYf'U'dfcV'Ya k \Yb'UhYa dhJo['hc'gi Va ]hmci f'Ugg][ ba Ybhh\fci [ \'Hi fb]hJbž'd'YUgY
hY'Yd\cbY'9| hYfbU'Gi ddcfhcb'-', ) '''' %cf'Ya U]'h\Ya 'cb'Yl hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui '"'Gi ddcfh
\ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY\_XUmg'UbX'-.\$\$Ua '-').\$\$da 'cb'k YY\_YbXg'fl \*) 'XUmg'U'mYUfŁ''#\#mci
UfY'i bUV'Y'hc'gi Va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi 'hk ]h\'Hi fb]hJb'mci 'a Um'Udd'mZcf'Ub'Yl hYbg]cbž'Vi hmci
a i ghfYhJ]b'mci f'hJW\_Yhbi a VYf'Zfca '9| hYfbU''Gi ddcfhfU'cb['k]h\'Ubmch\Yf'fY'Yj UbhXcW'a YbhgŁ'hc
]bWi XY'Ug'Yj ]XYbWY'hc'gi ddcfhmci f'Yl hYbg]cb'Udd']WUhJcb'''#\#mci 'Ya U]''9| hYfbU''Gi ddcfhmci 'k]''
Ui hca UhJWJ'`mfYWY']j Y'U'HJW\_Yhbi a VYfž'Vi h]Zmci 'hY'Yd\cbY'mci 'k]'''bYYX'hc'gdYWJZJWJ'`mUg\_'Zcf'cbY''
Hi fb]hJb'U'gc'dfcj ]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'gfUh' g'cb'Hk]hYf"

; YbYfU``mž'UggYgga YbhiHug\_g'a i ghVY'gi Va ]hhYX'Y`YVWfcb]\W)``mj ]U'Y]h\Yf'Hi fb]hjb'cf'U'A ccX`Y Ugg][ ba Ybh'' =b']bgHJb\W'g'k \YfY'h\]g']g'bchdcgg]V`Yž']hk ]``'VY'gHJhYX'cb'mci f'\\circ i fgY'g'A ccX`Y'g]hY'k ]h\ U`hYfbUhj Y'gi Va ]gg]cb'XYHJ]`g''

cfi]bZcfa Uh]cbicbi\ckihcigi Va ]hUgg][ ba Ybhgicbi]bYij ]UiA ccXiY.i\hdg.#gh XYbh'i bgk "YXi "Ui #\ck! qi Va ]hUgq][ ba Ybha ccXiY

### 5 WUXYa ]W<cbYghmUbX D`U[]Uf]ga

D`U[]Uf]ga `]g`i g]b[ 'h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b[ 'h\Ya `Ug`mci f`ck b"'=hWUb`hU\_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b[ 'hc`UWW]XYbhU``mWcdm]b[ 'Zfca `U`gci fW'k ]h\ci hUW\_bck `YX[ Ya Ybh'

 $I BGK `[fci dg'd`U[]Uf]ga `]bhc'h\Y'Zc``ck]b[`WUhY[cf]Yg.$ 

 $7 \text{ cdm}b[...i g]b[...h\Y.gUa Y.cf.j Yfmig]a] \Uf'k cfXg'hc'h\Y.cf][]bU''hYl h'cf']XYU'k]h\ci h'U\V_bck `YX[]b[...h\Y.cf][]bU''hYl h'cf']XYU'k]h'cf']$ 

## 5 WUXYa ]W±bZcfa Uhjcb

: cf'YggYbhJU`gh XYbh]bZcfa UhJcb'fY`UhJb['hc.

• fYei YghgʻZcfʻYl hYbg]cb/