

5 WW/hc<sup>+</sup>; 6 #H<sup>-</sup>/% (,' !&\$\$, ž; 6 #H<sup>-</sup>/% -) % !&\$% <sup>-</sup> ÃGEG Á FYilolch<sup>-</sup> XUH/.<sup>-</sup>CE \* ÈÄ ÃGEG Á

GI ZYhn 8 | H [ G

**≠b]ŀjƯ`XU\Y`cZdfYdƯiUtjcb.**℃E\*ÈÄÉAG€GÁ

Bc".' RÔVËÙUÙG€G €Ì €Ï €€₽FÁÒÁ

# GUZYhni 8 UłJ G\YYhi fG8 GL

DfcXiWiBUaY. ÔŠÒŒĐÜUUT ÁY QÚÒÜÁ

AcXY<sup>°</sup>Bi a VYf.<sup>°</sup>

DfYdUfUfjcb : 0288ÈA ( ÁÕÓÐVÁFÎ I Ì HËGEEÌ ÉAÕÓÐVÁFÏ Í FJËGEFHÁ

GhubXUfXg.

Ch Yf  $OE \dot{A} ^{+} \dot{A}^{-} ^{-} OE \dot{A} ^{+} \dot{A}^{-} ^{-} OE \dot{A} ^{+} OE \dot{A} ^{+} \dot{A} ^{-} \dot{A} ^{-} \dot{A} ^{+} \dot{A} ^{}$ 

**=bZcfa Ufjcb. ā**, { : { actā} } Á] : [ çãa ^ å/à ´ Ácē] ] | 38 cē) dĚO[[Á8[ } • ^ ` ` ^ } & ^ & A + Écé ã ĝ \* Á+ [ { Á
ĝ actives a



GUZYhni8 UłU G\ YYhi

**5 WW hc<sup>:</sup>; 6 #H'% (, ' !&\$\$, ž; 6 #H'%+) % !&\$%** Q ããædÁåæe^Á, -Á, \^] ælæđi } káOE \* Èُ̈́I É́OGEI Á Ü^çã ði } Áåæe∿káOE \* È̈́I É́OGEI Á

Bc". RÔVËÙÖÙG€G €Ì €Ï €€FÂÒÁ

DFC817H'B5A9. 7 @95BFCCA'K=D9F'

GYWNjcb<sup>·</sup>% -¥YbhjZjWUhjcb<sup>·</sup>cZhY<sup>·</sup>WYYajWU<sup>·</sup>dfcXiWhUbX<sup>·</sup>cZhY<sup>·</sup>WcadUbmi

<u>Ú¦[å š&oÁãå^}cã-ã^\</u>Á

DfcXiWNBUaY. ÔŠÒŒĐÜUUT ÁY QÚÒÜÁ

AcXY<sup>°</sup>Bi a VYf.<sup>°</sup>

6 fUbX.'."

<u>FYWcaa YbXYX'UbX'fYghf]WhYX'igY'cZdfcXiWi</u>g'

FYWca a YbXYX' i gY. for industrial wiping

FYghf]WhYX`igY.` <u>Þ[Á忿鿢æ¢æ¢æ¢</u>Á



### GYWFjcb'&'<UnUfXg']XYbHjZjWUHjcb'

<u>9a Yf[YbWnicj Yfj]Yk</u> '

Y @ðrÁY ð] ^• ĚØ|æŧ { æà|^Á+[ |ãaĚÔæě•^•Á+^¦ð] \* •Á^^^Áði !ãææði] } ĚAT æÂ&æě•^Áå |[ ,•ð] ^••Á( ¦Ååã : ð] ^••ĚA

; <g`7`ugg]<b>Z]WUr]cb`</g`7`ugg]<b>	
7`Ugg]Z]WUh]cb`UWWcfX]b[`hc	; <gff %比<="" th="" yj="" ″=""></gff>
Øæ; ĚÛ[  ĔÆFÆPGGÌ LÁ	
Ò^A¦∷ãÈÉGOË PHFJIÁ	
ÙVUVÁÙÒÁHÆ̈́PHHÎ 🥨 @e‡ææįį	} DDÁ
@WY YYa Ybhg	
@UVY`]b[`UWWcfX]b[`hc`; <gffyj"%\$l< th=""></gffyj"%\$l<>	
<unufx'd]wfc[fuag'< th=""><th></th></unufx'd]wfc[fuag'<>	
G∏ bU <sup>™</sup> k cfX <sup>™</sup>	Öæ}*^¦Á
<unuix gluhya="" th="" ybhgʻ<=""><th></th></unuix>	
< &&, `	Ø æŧ{ æi ^Á•[ læ̈́ĔĂ



## CLEAN ROOM PRODUCTION SOLUTIONS GUZYMI8 UU G YYH

5 WW hc'; 6 #H'% (,' !&\$\$, ž; 6 #H'%-) % !&\$% =b]h]U`XUHY cZdfYdUFUH]cb. 5i ["' +ž &\$&( FYj]g]cb`XUHY. 5i ["' +ž &\$&(

Bc".	>/H!G8	G&\$&( \$,	\$+\$\$%	9	
				_	

J53;"	7UigYg`gYf]cig`Yn <b>Y</b> `]ff]hUl <b>i</b> ]cb"
J558"	A Um\VVi gY`Xfck g]bYgg`cf`X]nn]bYgg''
DfYWUi HjcbUimigHUHYa Ybhgʻ	
! DfYj Ybhjcb	
R432"	?YYd`Uk UmZica `\YUbit`\chgi fZUWgti gdUf_gti cdYb`ZUa Yg`UbX`ch\Yf`][b]h]cb`gci fWg"`Bc`
	ga c_]b[ "`
R462"	; fci bX`UbX`VcbX`VcbHU]bYf`UbX`fYVV]j]]b[`Yei]da YbH'
R463"	IgY`YId`cg]cb!dfccZ(Y`YVMf]VW/#fYbh]`Uh]b[#][∖h]b[ŁYei]daYbh''
R483"	5jc]X`VfYUh\]b[`Xigh#ZaY#[Ug#a]gh#jUdcifg#gdfUn'i
R486-R487"	KUg\`\UbXg`h\cfci[\`mUZhYf`\UbX`]b[""8c`bchhciW\`YnYg"
R493"	IgY`cb`mcihXccfg`cf`]b`U`kY``!jYbh]`UhYX`UfYU''
R4:2"	KYUf`dfchYVb/jY`[`cjYg#dfchYVb/jY`VVch\]b[#/nY`dfchYVb/jcb#ZUVV`dfchYVb/jcb#.YUf]b[`
	dfchYVMjcb"
! FYgdcbgY	
R526-R562-R53;"	÷ ⊕8<5@98. FYacjY`dYfgcb`loc`ZYg\`U]f`UbX`_YYd`VotaZcftUV`Y`Zcf`VfYUh\]b["`; Yh
	a YXJW/``\Y`d`]Znci `ZYY``i bk Y``"
R527-R573-R55:"	≑ ʿ=B ʿ9M9G.ʿF]bgY Wi h]ci g`mk]h. k UhYf Zcf`gYj YfU`a]bi hYg'' FYa cj Y WobhUWa YbgYgž
	]ZdfYgYbhUbX`YUgmltt`Xc''' 7 cbl]bi Y`f]bg]b[ '''
R559-R539"	-ZYnY`]ff]hUh]cb`dYfg]ghg.;; Yha YX]WD`\Y`d'''
R592-R59:"	=b`WUgY`cZZjfY.`I gY`XfmgUbXžXfmWxYa]WU`cf`U`W¢\c`!fYg]gHUbhiZcUa`ko`YIhjbWbjcb'''
!GhcfU[Y	
R625-R455"	GhcfY`]b`U`kY``!jYbHj`UHYX`d`UVV'''`?YYd`V&bHU]bYf`H][\hmVVcgYX'''
R627"	GhcfY``cW_YX`i d"
! 8]gdcgU	
R723"	8]gdcgY`cZV&bHYbhg#V&bhU]bYf`hc`Ub`UddfcjYX`kUgHY`X]gdcgU`d`Ubhi]b`UVW&fXUbWY`k]h`
	`cW/`#Y[]cbU`#bUhjcbU`#bHYfbUhjcbU``fY[i`Uhjcb"
<u>Ch\Yf`\UhUfXg</u> `	

Bc Z fh Yf fY Yj Ubh]bZcfa Uhcb Uj U] UV Y"

GYWIjcb`'.`7 ca dcg]hjcb#jbZcfa Uhjcb`cb`]b[ fYX]Ybhg`			
GiVghUbW¥g√A]IhifY			
GiVgHUbWYrbUaYr	75G Bc"	<b>К Ү][ \ h</b> <sup>.</sup>	<unufx'7`ugg]zjwuhjcb'< th=""></unufx'7`ugg]zjwuhjcb'<>
`gcdfcdm`Ư₩ℓ\c``	*+!*' !\$ <sup>-</sup>	+\$ <sup>:</sup>	:`Ua"`@e"`&'!<&&)`



GUZYhm8 UłU G\ YYh

5 WW hc;; 6 #H'% (,'!&\$\$, ž; 6 #H'%+) %!&\$%

### =b]hjU`XUhY`cZdfYdUFUhjcb. 征 裕 絕 絕 名 A FYj ]g]cb`XUhY. 征 裕 絕 絕 名

Bc". RÔVËÙÖÙŒEG €Ì €Ï €€FÁÒÁ

### DFC817H'B5A9. 7 @95BFCCA'K =D9F'

			Ò^Á¦¦ãÉGOË PHFJÁ	
			ŮVUVÁÙÒÁHÆ̈PHHÎ (\$);@eepeeda#j}DÁ	
Úĭ¦^Á, æe∿¦Á	ΪΪHGËEFÌÉÉÁ	H€Á	Þ[ œ́& æ• ãð åÁ	
Ü^{ al kávpòášóù wódáceðù u ü	ÓÒÖÁUÞÁÞUÞÁY	UXÒÞÁØŒÚ	ÜÔĂ	
	GY	/ <b>//j</b> cb <sup>:</sup> (.::]fg	hiUJX`a YUgi fYgʻ	
<u>8 YgW]dh]cbˈcZZ[fghˈU]Xˈa YUgi</u>				
;YbYfU`UXj]WY				
Xãk, Ác@Álaàn/ÉÁ•æ^ć ÁåaaaÁ&	æåÁ[¦Á∙æ^ĉ Áåæo	æ∲•@^oÁ¢Áĭ	} å^ <b>¦•æ)</b> åÁo@Á@ee æ¦åÁ&@eelæ&c^¦ãe œ&e Á[ ~Áo@Á] ¦[ å` &oÁà^-{ ¦^Á	
cæàãj*Áœ}]¦[]¦ãæe∿Áã∙oÁœãáÁ{ ∧	æ`¦^∙ĚÁ			
=b\ ƯƯnjcb <sup>∶</sup>				
- QÁà¦^æ@°åÁặĩÊ{{[ç^Á]^¦•[}Áặi¢[Á¦^•@éæáiĚQ4}[oÁà¦^æ@3]*Ê*ãç^Áceicã&ãæ4Á^•]ãæaā[}ĚQ4*^{]¢[{•Á]^¦•ã:dÊⅇ‡Áœ4}@•&ããe}ĚÁ				
G_]b <sup>:</sup> WcbHJWKi				
Yæ90¢cZ,ão0Å+[æ}Áæ)åÁ] ^}ĉ	Á[-Á] æe^¦ÉÉQÁ•^{]	d[{•Á]^¦∙ão	ÉŽ&æ∯Áœ∳,@• <b>38ãæ)</b> ÈÁ	
9mY WebhLWK				
Øĭ•@á^^^•Á,ão@á,æ*¦ÁæÁæá;¦/	\&æčqāį}ÈŽQÁ(•^{]d	[{•Á]^¦∙ãdÉ	Ă&æ‡lÁæŹ∮ @•a&aaa) EĂ	
≠b[ Yahicb			V V	
<b>⇒D[Ygh]cb</b> Uậ•^A¦[ĭ c@Á, ão@Á, æc^¦EČÔ[}•	´ 0Áæ∮\@•&&ãæ)ÈÁ			
	<u>AcghiladcfhUbhigmadhcagʻUbX`\YUh`YZZYWng</u> ʻ			
V@Á{[•ÓAā[][¦cæ);óÁ}[_}Á*^{]d[{•Áæ};åÁ^~^∨Áæ^Áå^•&¦ãa^åÁşāÁc@Á æà^  ã]*ÁQ=^Á*^&cāa[}ÁGDÁæ);å₽[¦ÁşiÁ•^&cāa[}ÁFTTĂ				
<u>5Xj]WYZcf'hY'dfchYWNjcb`cZfYgWYYfg</u>				
₩•^Á]^¦•[}æ¢Á]¦[c^&cãç^Á^˘`;	]}{ ^}oÁæeÁ\^˘˘ã∧;	åÈÁ		
<u>GdYWJU`UXj]WV/g`Zcf`XcW/cfg</u> `				
V¦^æeÁ•^{]q[{æeã&æe∳^ÈĂ				
	GYW	cb <sup>`</sup> ). <sup>'</sup> : `fYZ	[\hb[ˈaYUgifYgˈ	
<u>91 hib[i]g\]b['aYX]U</u>				
Gi]HJV`Y`YIH]b[i]g\]b[`aYX]	U			
	~	1 1.1		

 $W^{A}\dot{A}_{a} \approx \dot{A}_{a}^{A} = \hat{E}_{a}^{A} + \hat{A}_{a}^{A} = \hat{A}_{a}^{A} + \hat{A}_{a}^{A} + \hat{A}_{a}^{A} = \hat{A}_{a}^{A} + \hat{A}_{a}^{A} + \hat{A}_{a}^{A} = \hat{A}_{a}^{A} + \hat{A$ 

### I bgi ]HJV`Y`YI H]b[ i ]g\ ]b[ `a YX]U

 $P[\dot{A}^{*} | c@^{!}\dot{A}^{/} ca) c \dot{A} + [ | \{ a c a i \} \dot{A} c c a i ] \dot{A} + \dot{A}$ 



## GUZYhm8 UłU G\ YYh

5 WW hc<sup>\*</sup>; 6 #H<sup>\*</sup>% (,' !&\$\$, ž; 6 #H<sup>\*</sup>% )% !&\$% FYj ]g]cb<sup>\*</sup> XUH.<sup>\*</sup> 5i ["' +ž &\$&(

### **=b]ŀjU`XU\Y`cZdfYdUfU']cb.** 5i [ "' +ž &\$&( FYj

**Bc".** >7 H!G8G&\$&(\$, \$+\$\$%9<sup>\*</sup>

### DFC817H'B5A9. 7 @95BFCCA'K =D9F

### <u>GdYWJU'\UhUfXg</u>'

Bc Z fh Yf fY Yj Ubh bZcfa Ufjcb Uj U) UV Y"

### <u>DfYWUihjcbg'UbX'aYUgifYg'Zcf'ZfY'Yihjb[i]g\]b[</u>'

5g ]p Ubm2]fYž k YUf gY 2 W¢bhU]bYX VfYUN ]b[ UddUfUhi g dfYggi fY!XYa UbXž A G<5#B € G< fUddfcj YX cf Yei ]j U YbhŁ UbX

Z .... dfchYVbj Y . [ YUf"

### GYWIjcb'\*.'5 WVIXYbHJ'fYYUgY'a YUgi fYg'

### <u>DYfgcbU`dfYWUihjcbgzdfchYWijjY`Yei]daYbhUbX`YaYf[YbWm</u>dfcWYXifYg`

I gY dYfgcbU dfchYVhjj Y Yei ]da YbhUg fYqi ]fYX"

### <u>9 bj]fcbaYbłU`dfYWUiłjcbg</u>`

G\ci `X`bchW' fY`YUgYX`]bhc`h\Y`Ybj ]fcba Ybh''

### <u>A Yh cXgʻUbXʻa UhYf]UʻZcfʻWcblUjba YbhUbXʻWYUb]b[ʻid</u>ʻ

7 cbh0]b`gd]``U[Yž`UbX`h\Yb`d`UW`]b`V&bh0]bYf`Zcf`X]gdcgU`UW&fX]b[`hc``cVV`fY[i`Uh]cbg"

### <u>DfYjYbhjjYa YugifYgʻhcʻdfYjYbh'hYcWWiffYbWYcZgYWcbXUfmX]gUghYfg</u>ʻ

GYY'GYVMgcb'+Zcf']bZcfaUhgcb'cb'gUZY'\UbX`]b["'

### GYW/jcb'+.'<UbX`]b[ 'UbX'ghcfU[ Y'

### <u><UbX`]b[</u> `

5j c]X WebhUMrik ]A YmYg" 5j c]X ]b[ Ygh]cb UbX ]b\U'Uh]cb"?YYd Uk UmZrca \YUhz \chigi fZUWgz gdUf\_gz cdYb ZUa Yg UbX ch\Yf ][ b]h]cb gci fWg" Bc ga c\_]b[ " I gY YI d`cg]cb!dfccZ0Y YVhf]WJ# Ybh]`Uh]b[ #`][ \h]b[ #""'EYei ]da Ybh'

### <u>GhcfU[Y</u>

GhcfY'UkUmZica ']bVetadUhJV'Y'aUhYfJU'g'XYgWfJVYX']b'GYWfJcb'%\$"GhcfY']b'U'XfnžiWec''UbX'kY``!jYbhJ'UhYX'd'UW'''?YYd' WebhU]bYf'h][\hmWcgYX'''''

GYWNjcb<sup>·</sup>, <sup>·</sup> 9 IdcgifY<sup>·</sup>Wcblfc<sup>°</sup>g#dYfgcbU<sup>·</sup>dfchYWNjcb<sup>·</sup>

### <u>CWW dUnjcbU'Yi dcgi fY`ja jhg</u>

75G Bc"	A57 <sup>°</sup>	D7 !HK 5 <sup>·</sup>	D7 !GH9 @
*+ <b>!</b> *' <b>!</b> \$`		')\$`a[#a'`	+\$\$`a[#a'`

### <u>6]c`c[]WU``]a]hjUiYg</u>`

H\]gidfcXiVbziUgigidd`]YXziXcYgibchVbbhU]biUbm\UnUfXcigiaUlYf]Ugik]h\`V]cic[]VVi``]a]bgiYghUV`]g\YXiVmh\YifY[]cbi

gdYVJJZJWfY[i`UhcfmVcX]Yg"

### <u>Acb]hcf]b[ˈa Yh\cXg</u>ˈ

Bc`]bZcfa Uhjcb`Uj U]`UV`Y'''

### <u>9b[]bYYf]b['Wcblfc`g</u>'



GUZYhmi8 UHU G\ YYhi

5 WW hc<sup>`</sup>; 6 #H<sup>`</sup>% (, ' !&\$\$, ž; 6 #H<sup>`</sup>%+) % !&\$% <sup>`</sup>

**=b]ljU`XUhY`cZdfYdUfUfjcb.`**5i ["' +ž &\$&(`

FYj ]g]cb XUY. 5i [ " +ž &\$&(

**Bc".** >7 H!GC G&\$&( \$, \$+\$\$%9<sup>\*</sup>

### DFC817H'B5A9. 7 @95BFCCA'K=D9F'

I gY`k]h\``cVVI``YI \Ui ghij Ybhj`Uhjcb''' 9bgi fY`UXYei UhY`j Ybhj`Uhjcbž YgdYVljU``mijo` Vt/bZjbYX`UfYUg'''

### <u>DYfgcbU'dfchYWfj Y'Yei]da Ybh</u>i

### FYgd]fUhcfmiDfchYWMjcb<sup>·</sup>

K \Yb`k cf\_Yfg`UfY`ZUMjb[`WebWfblfUhjcbg`UVcjY`h\Y`Yl dcgifY``]a ]hh\YmaighigY`Uddfcdf]UhY`WffjZjYX`fYgd]fUhcfg"

### 9 mY#UWY`dfchYWFjcb`

I gY'Yei ]da YbhZcf'YnY' dfchYVhJcb HyghYX'UbX' Uddfcj YX'i bXYf'Uddfcdf]UHY' [ cj Yfba YbhghUbXUfXg''

### G\_]b<sup>·</sup>UbX<sup>·</sup>VcXmdfchYWjcb<sup>·</sup>

Bc dfch/Wjcb ]g cfX]bUf]mfYei ]fYX i bXYf bcfa U WebX]hjcbg cZi gY"

### <UbX`dfchYWFjcb`

Bc dfchYVbjcb ]g cfX]bUf] mfYei ]fYX i bXYf bcfa U WebX]hjcbg cZ i gY"

### GYWIjcb'-.'D\mg]WU'UbX'WYa JWU'dfcdYfljYg'

### <u>=bZcfaUrijcb`cb`VUg]Wid\ mg]WU`UbX`W{ Ya ]WU`dfcdYfh]Yg`</u>

D\ng]WU`glUhY.`	K ]dYg
7 c`ci f.	К \] <b> </b> Ү
CXcf.	K YU_`cXcuf`
CXcf <sup>·</sup> H fYg c`X. <sup>·</sup>	Bc`XU <b>h</b> U`UjU]`UV`Y`
d jUi Y.</th <th>Bc`XU<b>h</b>U`UjU]`UV`Y`</th>	Bc`XU <b>h</b> U`UjU]`UV`Y`
AYH]b[`dc]bh#2fYYn]b[`dc]bh`	Bc`XU <b>h</b> U`UjU]`UV`Y`
6 c]`]b[ `dc]bh`cf`]b]h]U`Vc]`]b[ `dc]bh`UbX`Vc]`]b[ `fUb[ Y.`	Bc`XU <b>h</b> U`UjU]`UV`Y`
:`Ug\`dc]bhifWcgYX`WidŁ`	&&` W f@jei jXŁ
@ck Yf UbX`iddYf `Yld`cg]cb``]a]h#ZUaaUV]`]hm``]a]h	Bc`XU <b>h</b> U`UjU]`UV`Y`
9 jUdcfUhjcbʻfUhY.	Bc`XUNU`UjU]`UV`Y`
:`Ua a UV]`]hmifgc`]Xž[UgYcigL`	: `Ua a UV`Y`
5 ihc!-[[b]h]cb`hYa dYfUhifY.`	Bc`XUNU`UjU]`UV`Y`
8 YWca dcg]hjcb`hYa dYfUhi fY.`	Bc`XUNU`UjU]`UV`Y`
JUdci f`dfYggi fY.`	Bc`XUNU`UjU]`UV`Y`
J Udcf`XYbg]Im`	Bc`XUHU`UjU]`UV`Y`
8 Ybg]lmiUbX#cf`fY`Uhjj Y`XYbg]lm`	Bc`XUNU`UjU]`UV`Y`
Gc`i Vj`]lm'	DUfhmgc`i V`Y`]b` k UhYf
DUfhjhjcb`WcYZzjWjYbhib!cWHubc`#kUhYf`flc[`jUiYL`	Bc`XUNU`UjU]`UV`Y`
?]bYa UłjWj ]gWcg]m <sup>·</sup>	Bc`XUhU`UjU]`UV`Y`
<u>Ch Yf`]bZcfa Uh]cb</u> `	

G_]b`Wcffcg]cb#jff]HUh]cb.`	6UgYX cb Uj UjUVY XUhUž NY WUgg]2Whjcb WijYfjU UfY bcha Yh
GYf]cig`YmY`XUaU[Y#/mY`]ff]lUh]cb.`	7 UHY [ cfm&5"
FYgd]fUhcfmicf`g_]b`gYbg]h]nUh]cb`	
!FYgd]fUhcfm	6UgYX`cb`UjU]`UV`Y`XUhUžh\Y`WUgg]Z]Wlh]cb`Wl]hYf]U`UfY`bchaYh'
!G_]b.	6UgYX`cb`UjU]`UV`Y`XUHUžh\Y`WUgg]Z]WUHjcb`W[]Yf]U`UfY`bchaYH'
;Yfa ʿWY``aihU[Yb]W]hm ʿ	6UgYX`cb`UjU]`UV`Y`XUHUžh\Y`WUgg]Z]WUHjcb`W1]HYf]U`UfY`bchaYH'
7 UfWjbc[Yb]Vijhm <sup>`</sup>	6UgYX`cb`UjU]`UV`Y`XUHUžh\Y`WUgg]Z]WUHjcb`W1]HYf]U`UfY`bchaYH'
FYdfcXiWnjjYhcl]Wjhm`	6UgYX`cb`UjU]`UV`Y`XUHUžh\Y`WUgg]Z]WUHjcb`W[]Yf]U`UfY`bchaYH'
GHCH!g]b[`Y`YI dcgi fY.	7 UhY[cfm'" A UmVWigY`Xfckg]bYgg`cf`X]nn]bYgg"
GHCH!fYdYUhYX`YIdcgifY.`	6UgYX cb Uj UjUV Y XUHUž h Y WUgg]ZWHjcb W]HYf]U UfY bcha YH

### \* +**!** \* ' **!** \$ <sup>·</sup> )\$)\$`a[<u>#[</u>fFUh£

@s#@rGC`jUiYg`NUn'UY`fY`YjUbhZcf`WUgg]ZJWUH]cb`			
75 G Bc"	@CC: CfU:	@CC` 8 Yfa U'	@/CC`≠b\UUhjcb`
*+ <b>!</b> *' <b>!</b> \$ <sup>.</sup>	)\$)\$`a[#_[`fFUhŁ	%&, \$\$`a [ <u># [</u> `fF UVV]h <u>`</u>	+&"*`a[#@ <b>FUhž</b> (<Ł

S WINT NCI JWYNTN	
! CfU.	6UgYX`cb`UjU]`UV`Y`XUhUžh\Y`WUgg] <b>]</b> WUhjcb`Wf]HYf]U`UfY`bchaYH`
! 8 Yfa U.	6UgYX cb Uj U] UV Y XUNUž N Y WUgg]ZWNjcb W]Mf]U UfY bcha YH
!=b\UUh]cb.	6UgYX`cb`UjU]`UV`Y`XUhUz`h\Y`WUgg]2]WUh]cb`Wf]HYf]U`UfY`bchaYH`

### 5 \/\/ HV bol 1\/01km

### =bZcfaUhjcb'cb'hcl]Wc`c[]WU'YZ2YWg'

### GYWYJcb'% Hcl ]Wc`c[ ]WU' =bZcfa UHjcb'

### < UnUfXcigʻXYWcadcg]hjcbʻdfcXiWhgʻ

Bc'XUhU'UjUjUV'Y'''

Ghfcb[ cl]X]n]b[ U[Ybhg"



7 cbX]hjcbg hc Uj c]X ±bWca dUł]VY a Uł¥f]U'g" 8]fYWigi b`][ \h" 9I hYa Ym\][ \ Ha dYfUhi fYg" CdYb ZUa Y"

### BcbY<sup>·</sup>i bXYf<sup>·</sup>bcfa U<sup>·</sup>dfcWgg]b["<sup>·</sup>

< UnUfXcig`fYUWfjcbg`

GHJV]`]hri

### DFC817H'B5A9. 7 @ 5 BFCCA'K = D9 F'

GhUVY Uhbcfa U Ha dYfUh fYg UbX ghcfU[ Y WbX]h]cbg"

FYaUf\_, H\YXUhU'kUg'XYfjjYXZrca 'h\Y']b[fYX]Ybhg'cZh\Y'a] hifY'dfcj]XYX'Vmh\Y'YbhYfdf]gY"

Bc Z fh Yf fY Yj Ubh ]bZcfa Uhcb Uj U] UV Y"

Bc".' >7 H!G8G&\$&(\$, \$+\$\$%9"



## GUZYImi8 UIU G\ YYh

5 WW/hc<sup>'</sup>; 6#H'% (,'!&\$\$\$, ž; 6#H'%+)% !&\$%

GYWIjcb<sup>\*</sup>%<sup>\*</sup>, GHUV]<sup>\*</sup>]hm<sup>\*</sup>UbX<sup>\*</sup> fYUWIjj ]hm<sup>\*</sup>

**=b]HU`XUHY`cZdfYdUfUH]cb.** 5i [" +ž &\$&(` FYj ]g]cb XUY. 5i [ " +ž &\$&(



GUZYIm 8 UIU G\ YYh

5 WW hc'; 6 #H'% (, ' !&\$\$, ž; 6 #H'%-)% !&\$% "

=b]h]U`XUhY cZdfYdUfUh]cb. Œ\*ÈŸ ÃOEG Á FYj ]g]cb`XUhY. Œ\*ÈŸ ÃOEG Á

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5gd]fUh]cb`\UhUfX.`	Óæ•^åÁ[}Áæçæajæà ^Áåææ2É0@Á& æ•ãæ3æaaj}Á&'æ^¦æóÁ& æ^Å&'aaAæ

Ch\Yf'\UhUfXg."

Þ[Á[c@\¦Á@ee æ\å•ĔÁ

### GYWFjcb'%&'9Wc`c[]WU'=bZcfaUHjcb'

### 9 Wehel ]Wijhmi

### 5 ei UhiWhcl jWyhmi

75G Bc"	:fYg\kUhYf`:]g\`	K Uhyf': `YU	: fYg\kUhYf'5`[UY'
ÎÏËEHË€Á	ŠÔÍ€HÁFFFH€Á(*BŠÉÄJÎ@ÉA	ÒÔÍ€KÁFHGJJÁ{*ĐŠÉAIÌ@ÉA	ÒÔÍ EHÁNÁFEEEÁ(*EŠÉÄÏ GOÉÁ
	Ùcææ3&ÇÚã[^]@e∳^∙Áj¦[{^ æ•DÁ	Yæ¢\¦Á∤^æÁ	Ö^∙{[å^•{`•Á+`à•]ã&æcč•Á

### DYfg]ghYbWY UbX XY[ fUXUV]`]mi

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### <u>6 ]cUWW a i `Uhij Y'dchYbhiU'</u>

CAS No. @[ Dck 67-63-0 0.05

### AcV]`]hmi]bigc]`

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### Ch Yf Ybj ]fcba YbhU' \ Ufa Z `` YZZYWg'

DYfg]ghYbhiCf[Ub]WDc``i HUbh'	V@āÁ]¦[å`&Aʿ\$i[^•Á}[d <sup>4</sup> &[}cæājÁæ}^Á}[,}Å;],}Á[¦Á*`•]^&c^åÁ*}å[&¦ā]^Áåã*¦`]d[¦•ĚÁ V@āÁ]¦[å`&Af\$i[^•Á}[d <sup>4</sup> &[}cæājÁæ}^Á}[,}Á;],}Á[¦Á*`•]^&c^åÁ*`à•cæ}&^ÈÁ
CncbY 8 Yd`Yhjcb DchYbhjU.'	V@náÁj¦[åĭ&onáš[^•Á}[onáš[}cænájÁænj^Á}[¸}Áį¦Á*ĭ•]^&oc*åÁ*ĭà•œnj&^ÈÁ

### GYWJcb'%.'8]gdcgU'Wcbg]XYfUJcbg'

### K UghY If YUha Ybha Yh cXg

### FYWca a YbXUhjcb'! K UghY Zica 'FYgjXi Yg# bi gYX DfcXi Whg'

Q[ ||[ \ Áqt|Á|[ & eqtÉte czec^Éteq) å Á^å^¦ aqtÁ^\* ` |zzetā] } • Á[ ¦ Áŝiā] [ • aqtÁ[ -Á ze c^Á&@{ & & eteA

### FYWca a YbXUHjcb'! 7 cbHJa ]bUHYX'DUW\_U[]b['

Q[||[ \ Á#‡Á|[ &##É4 @@^`É2#); åÁ^å^!##Á^\*`|@##]} • Á[ ¦Á\$i#] [ • ##Á[ -Á @ c^Á&@ { &## ÈĂ

GYWjcb'%. HfUbgdcfhjbZcfaUhjcb		
@bX		
I B!Bi a VYf.	WÞÁHFÏ Í Á	
IB`dfcdYf`g\]dd]b[`bUaY.`	ÙUŠÖÜÙÁÔUÞVŒ₽ŒOÁ2ŠŒ TŒÓŠÒÁŠÛ₩ÖÁ	
HfUbgdcfhi\UhUfX`WUggfl/gŁ`	IÈÁ	
DUW_]b[ `[ fci d.`	II	



## GUZYImi8 UIU G\ YYhi

5 WWV hc<sup>+</sup>; 6 #H<sup>+</sup>% (, ' !&\$\$, ž; 6 #H<sup>+</sup>%+) % !&\$% <sup>-</sup>

**=b]|f]U`XUHY`cZdfYdUfUf]cb.** 5i ["' +ž &&&(` FYj jgjcb XUY. 5i [ " +ž &\$&(

Bc".' >7 H!G8G&\$&(\$, \$+\$\$%9

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FYa U. 5Wt/fX]b[ hc h.Y F Y[i Uhcb W/b]b[ fcUX hfUbgdcfhUhcb cZXUb[ Yfci g [ ccXg fbH#H\*%!&\$% Ł"

### GYUFHA8; #ACŁ

I B!Bi a VYf.	IB''%)	
IB`dfcdYf`g\]dd]b[`bUaY.`	GC@=8G`7CBH5=8=8; ∵:@5AA56@9`@€I=8`	
HfUbgdcfhi\UnUfX`WUggfl/gŁ`	('%	
DUW_]b[ `[ fci d.`	=	
9bj]fcbaYbłU`\UnUfXg	Bc	
! A UF]bY dc``i hUbh		
9a G Bi a VYf.	: !5ž G!≐	
<b>FYaUf</b> 5₩VcfX]b[`hc`h\Y` <b>4</b>	8; `7cXYž &\$&&`9X]j]cb`f]b₩5a YbXa Ybh(%&&&'	

### 5]ffl5H5#75CL

I B!Bi a VYf.	I B ' %+) '
IB`dfcdYf`g\]dd]b[`bUaY.`	GC@&G`7CBH5-₽-₽; ∵: @5AA56@9`@€T-₽`
HfUbgdcfh\UnUfX`WUggfl/gL`	("%
DUW_]b[ `[ fci d.`	<u> </u>
FYaU5Wt/fX]b[ hc =5H5 8; F ft) @9X]rjcbž &\$&(2"	

### HfUbgdcfhi@VY`g`UbX`G][bg`



: `Ua a UV'Y gc`]X'''

FY[i`Uhcfmi]bZcfaUhjcb

### DfYWUi hjcbg'Zcf'hfUbgdcfhUhjcb'





; `cVU``m<Ufacb]nYX GnghYa cZ7 `Ugg]ZJWUh]cb UbX @UVY``]b[ cZ7 \Ya ]WU`gfl <GE

; i ]XUbW/ cb h\Y Wa d] Uhcb cZgUZ/hmXUhU g\YYhZcf WYa ]W/ dfcXi Wg; 6#H %) % !&\$%

; YbYfU`fi Yg Zcf dfYdUfUfjcb cZWYa jWU gUZYhmXUfU g\YYh; 6#H % (, ' !&\$\$, `

GYWIjcb'%). FY[i`Uhcfmi]bZcfa Uhjcb'



## GUZYhni8 UłU G\YYhi

5 WWV hc<sup>∶</sup>; 6 #H<sup>·</sup>%\*(, ' !&\$\$, ž; 6 #H<sup>·</sup>%+) % !&\$% =b]h]U<sup>·</sup>XUhY cZdfYdUfUh]cb.ʿŒ \* ÈÄ ÃG€G Á FYj]g]cb<sup>·</sup>XUhY.ʿŒ \* ÈÄ ÃG€G Á

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Ü^*ĭ æaa‡i}•Á;}Ác@ÁÙæ^ćÁDāa{ 3jãrdæa‡i}Á;ÁÖæj*^¦[ĭ•ÁÔ@{ &&懕Á
V@ÁÔææa‡[*`^Á[ÁPææåa[`•ÁÔ@{ã&懕Á
\$pç^}d[¦^Á[-Án@ÁÔ¢ãarā]*ÁÔ@{ a&aa‡ÁÙĭà∙caa}&^∙ÁājÁÔ@3jaaÁ
Ôæææ‡[*`^Á[,ÁV[¢&&ÁÔ@{ &&æ†>ÁÙd&&d^ÁÜ^•d&&c^åÁ¦[{ ÁQ; ][¦óÁæ}åÁÒ¢][¦óÁā}Á
Ô@3,æ#ᠱÕ^}^¦æ†Á` ^Á[¦Á& æ••ãa8æaāj}}Áæ}åÁ@ee æååÁ&[{{`}}a8æaāj}}Á[Á&@{a8懕Á
Ô æ••ãæææaaā]}Áæ)åÁ&[å^Á[-Á&æ)*^¦[`•Á*[[å•Á
T^æeč¦^∙Á[¦ÁÔ}çã[}{ ^}œa‡ÁTæ}æ*^{ ^}ơ{įÁÞ^, ÁÔ@{ a&æ‡ÁÙčà∙œa}&^∙Á
Šãro4[Ác@Á25a•óÁÓæe&@é[ÁPææåå[ǎ•ÁÔ@{æ8懕Á`}å^¦ÁS^^ÁÙǎ]^¦çãra[}Á
Šãc4[+Áåæ)*^¦[`•Á&@{&&懕Á`}å^¦Á@Á*^&[}åÁàæ&@@[+Á^^Á*`]^¦çãa[}Á
Šã c4[ ≁åæ) * ^ ¦[ č • Á*[ [ å• Á
Úæ&∖ðj*Á•^{ à[ Á[,Áåæ})*^¦[ੱ•Á*[[å•Á
Ü^*ັ æaā[}•Á[}ÁÙæ^Á₩•^Á[-ÁÔ@{ a&憕Á9jÁY[¦\] æ&∿•Á
V@^Áj¦[][•æ‡Á,[¦\] æ&∧•Á*æ∞Á*•∧Á[Á&@{ ಔ懕Op[ÈFÏÏDÁ
Ü^&[{ { ^}åæaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

GYWMjcb <sup>™</sup> %. Ch∖Yf <sup>™</sup> =b2cfa Uhjcb <sup>™</sup>			
:i```hYIhicZ GhUhYaYbhg`fYZYffYX`hc`ibXYf`gYW1jcbg`&`UbX`'`<sup ```			
< 88) <sup>·</sup>	Pāt@ÇÁqlæa{{æaa ^ÁfaĭĭaaáÁæa}åÁçæa][ĭ¦bÁ		
< 88, `	ئæŧ {æà ^Áŧ[ ãàÈĂ		
<' % <sup>`</sup>	Ôæੱ•^•Á•A¦āįč•Á^^Áði¦ãææāį}Á		
<''*`	TæÂ&æĕ●^Áå¦[」●ąੋ^●●Á¦¦Æåã∶ąੋ^●●Á		
5 VVfYj]UhjcbgʻUbXʻUWicbma gʻ			
; <g< th=""><th>Õ [àæ‡ ^ÁPæ{{[}ã^åÁÙ^•c^{ {´A[ÁÔ æ•ãã&amp;æã];}Áæ}åÁŠæà^  ã]*Á[ÁÔ@{ãæ‡ÈÁ</th></g<>	Õ [àæ‡ ^ÁPæ{{[}ã^åÁÙ^•c^{ {´A[ÁÔ æ•ãã&æã];}Áæ}åÁŠæà^  ã]*Á[ÁÔ@{ãæ‡ÈÁ		
75 G Bc"	Ô@{ a3æ¢Á0Ea•dæsterÁÙ^¦ça3t^ÁÞǐ{ à^¦Á		
=A8;#AC	Q⊧c^¦}æaāį}ælÁTælānāį^ÁÔ[å^Á[¦ÁÖæ)*^¦[ઁ●ÁÕ[[å●ÐÁQ⊧c^¦}æaāį}ælÁTælānāį^ÁU¦*æ)āæaāį}Á		
=5H5#75C <sup>°</sup>	Qtc^\}æaāį}æ¢1CEāÁ/¦æ}●][¦c4OE•[&ãæaāi]}E4Qtc^\}æaāi}æ¢1Ôãçãµ4OEçãæaãi}}ÁU¦*æ}ãæaãi}Á		
@7)\$`	Š^c@e¢Á&[}&^}clæe‡[}EŽÍ€Á]^\&^}dŽÁ		
@CC.	Š^c@e¢Áå[●^ÊÝ €Á] ^¦&^} dĚ		
97)\$ <sup>.</sup>	̀à Á∿~~^&cãç,^Á&[}&^}dæaā[}Á		
67: <sup>·</sup>	Óā[&[}&^}dæaā[}Áæ&a[¦Á		



## GUZYhni 8 UłU G\YYhi

5 WW hc; 6 #H'% (,' !&\$\$, ž; 6 #H'%-)% !&\$%

### =b]h]U`XUhY cZdfYdUfUh]cb. Œ\*È̈́Ϋ́ ḖGēG Á FYj ]g]cb`XUhY. Œ\*È̈́Ϋ́ ḖGēG Á

Bc". RÔVËÙÖÙG€G €Ì €Ï €€FÁÒÁ

### DFC817H'B5A9. 7 @95BFCCA'K =D9F

BC97 <sup>°</sup>	}[Á[à∙^¦ç^åÁ^~^&oA&[}&{]}&^}dæaā[}Á
@C97 <sup>·</sup>	Š[,^•ớUà•^¦ç^åÁÒ-^&ớ́Ô[}&^}dæāā}Á
C978 <sup>-</sup>	U¦*æ)æræaa‡}Á{[¦ÁÒ&[}[{ a&ÁÔ[Ë;]^¦æaa‡}Áæ}åÁÖ^ç^ []{ ^}∞Á
-5F7 <sup>°</sup>	Qtc^\}æaāį}æ¢40E^^}&`Á[¦ÁÜ^∙^æ&@4[}ÁÔæ}&^¦
<b>GH9</b> @	ÙVÒŠÁÇÙ@{¦ơÁ/^¦{ ÁÒ¢][•`¦^ÁŠą̃ ãĐ
HK 5 <sup>°</sup>	Vąį ^Ė, ^āt @^\åÁæç,^¦æt ^Á
<b>-8</b> @≮`	Q;{^åãeet^ ^ÁÖæ);*^¦[`•Át;ÁŠã^Á[¦ÁP^æ¢c@4&[}&^}c!æeā;}Á
DCK	Úæicāāā;}Á&[^~-3&@i`}oÁU&cæ);[ KY æe^¦Á
A57 <sup>°</sup>	Tæ¢ãį č{Áæ≱∥, æà ^Á&[}&^}clæãįį}Á
D7 !HK 5 <sup>-</sup>	Ú^¦{ã•ãâ ^Á&[}&^}dæaā[}ËVã[^ÁY^ãt@c^åÁO5ç^¦æt^Á
D7 !GH9 @	Ú^{ ã•āà ^Á&[}&^}dæaāį}ËÙ@[¦oÁV^¦{ÁÒ¢][•ĭ¦^ÁŠãįãaÁ
H@!7 <sup>·</sup>	V@^•@Į¦åÁ¦ąį ãaÁçæ;*^Ë8∧ąãj;*Á
H@! <b>HK</b> 5 <sup>·</sup>	V@^∙@[¦åÁlāį ãaÁçæa;*^Ecāj ^Á, ^āt@e^åÁæç;^¦æt*^Á
H@!GH9@	V@^•@[¦åÁlāį ãaÁçæ‡`^Ё@[¦oÁe^¦{ Á^¢][•`¦^Álāį ãaÁ

V@.Á&[} ♂} @.Áæ) åÁ[¦{ æ m.Á[. Áx@.ÁÙDÙÁæ!^Á]¦^] æ!^åÁ∄ Áæ&&[¦åæ) &^Á, ãx@ÁŐÓÁFÎIÌ HËGEEÌ Áæ) åÁÕÓBVÁFÏÍ FJËGEFHEĂ

### ) @#0 @ - k`\70@ " @@" `

Ò} åÁ[ ÁÙDÙÁ