

## *Recommended Shelf Life*

### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code  | Description  | Storage | Shelf Life | Opened |
|-------|--|---------|------------|--------|
| ME01# | ICP Calibration mix A8 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME02# | ICP Calibration mix B9 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME03# | ICP Calibration mix C13 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME04# | ICP Calibration mix D13 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME05# | ICP Calibration mix E41 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME06# | ICP Calibration mix F5 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME08# | ICP Calibration mix H6 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME09# | ICP Calibration mix I5 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME10# | ICP Calibration mix J13 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME11# | ICP Calibration mix K3 PrimAg multi-element reference solution   | FR      | 1 year     |        |
| ME12# | ICP Calibration mix L17 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME13# | ICP Calibration mix M7 PrimAg multi-element reference solution   | FR      | 1 year     |        |
| ME14# | ICP Calibration mix N8 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME15# | ICP Calibration mix O4 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME16# | ICP Calibration mix P4 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME17# | ICP Calibration mix Q9 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME18# | ICP Calibration mix R14 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME19# | ICP Calibration mix S9 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME20# | ICP Calibration mix T15 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME21# | ICP Calibration mix U13 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME22# | ICP Calibration mix V13 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME23# | ICP Calibration mix W6 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME24# | ICP Calibration mix X12 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME25# | ICP Calibration mix Y5 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME26# | ICP Calibration mix Z4 PrimAg multi-element reference solution   | RT      | 1 year     |        |
| ME27# | ICP Calibration mix AA7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME28# | ICP Calibration mix AB14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME29# | ICP Calibration mix AC14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME30# | ICP Calibration mix AD9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME31# | ICP Calibration mix AE7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME32# | ICP Calibration mix AF8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME34# | ICP Calibration mix AH11 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME35# | ICP Calibration mix AI16 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME36# | ICP Calibration mix AJ14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME38# | ICP Calibration mix AL9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME39# | ICP Calibration mix AM10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME40# | ICP Calibration mix AN14 PrimAg multi-element reference solution | RT      | 1 year     |        |

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### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code  | Description  | Storage | Shelf Life | Opened |
|-------|--|---------|------------|--------|
| ME41# | ICP Calibration mix AO9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME42# | ICP Calibration mix AP15 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME43# | ICP Calibration mix AQ21 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME44# | ICP Calibration mix AR20 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME45# | ICP Calibration mix AS9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME46# | ICP Calibration mix AT14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME47# | ICP Calibration mix AU5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME48# | ICP Calibration mix AV14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME49# | ICP Calibration mix AW16 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME52# | ICP Calibration mix AZ10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME53# | ICP Calibration mix BA5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME54# | ICP Calibration mix BB8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME55# | ICP Calibration mix BC9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME56# | ICP Calibration mix BD4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME57# | ICP Calibration mix BE8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME58# | ICP Calibration mix BF14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME59# | ICP Calibration mix BG13 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME60# | ICP Calibration mix BH11 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME61# | ICP Calibration mix BI3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME73# | ICP Calibration mix BU24 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME74# | ICP Calibration mix BV4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME75# | ICP Calibration mix BW23 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME79# | ICP Calibration mix BY14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME86# | ICP Calibration mix CF11 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME88# | ICP Calibration mix CH15 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME89# | ICP Calibration mix CI4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME90# | ICP Calibration mix CJ3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME91# | ICP Calibration mix CK4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME92# | ICP Calibration mix CL18 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME93# | ICP Calibration mix CM17 PrimAg multi-element reference solution | RT      | 1 year     |        |

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### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code   | Description  | Storage | Shelf Life | Opened |
|--------|--|---------|------------|--------|
| ME94#  | ICP Calibration mix CN4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME96#  | ICP Calibration mix CP16 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME98#  | ICP Calibration mix CR10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME99#  | ICP Calibration mix CS6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME100# | ICP Calibration mix CT3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME103# | ICP Calibration mix CW9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME105# | ICP Calibration mix CY9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME106# | ICP Calibration mix CZ7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME107# | ICP Calibration mix DA9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME108# | ICP Calibration mix DC9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME109# | ICP Calibration mix DD7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME110# | ICP Calibration mix DE9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME111# | ICP Calibration mix DF17 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME112# | ICP Calibration mix DG9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME113# | ICP Calibration mix DH9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME114# | ICP Calibration mix DI12 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME117# | ICP Calibration mix DL6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME118# | ICP Calibration mix DM8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME119# | ICP Calibration mix DN5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME120# | ICP Calibration mix DO4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME121# | ICP Calibration mix DP7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME122# | ICP Calibration mix DQ3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME123# | ICP Calibration mix DR6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME124# | ICP Calibration mix DS9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME125# | ICP Calibration mix DT14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME127# | ICP Calibration mix DV14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME128# | ICP Calibration mix DW7 PrimAg multi-element reference solution  | FR      | 1 year     |        |
| ME130# | ICP Calibration mix DY9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME131# | ICP Calibration mix DZ5 PrimAg multi-element reference solution  | RT      | 1 year     |        |

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### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code   | Description  | Storage | Shelf Life | Opened |
|--------|--|---------|------------|--------|
| ME132# | ICP Calibration mix EA5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME134# | ICP Calibration mix EC18 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME135# | ICP Calibration mix ED26 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME136# | ICP Calibration mix EE10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME138# | ICP Calibration mix EG10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME139# | ICP Calibration mix EH61 PrimAg multi-element reference solution | FR      | 1 year     |        |
| ME140# | ICP Calibration mix EI5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME141# | ICP Calibration mix EJ9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME145# | ICP Calibration mix EN10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME146# | ICP Calibration mix EO5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME147# | ICP Calibration mix EP8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME148# | ICP Calibration mix EQ12 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME149# | ICP Calibration mix ER10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME150# | ICP Calibration mix ES21 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME151# | ICP Calibration mix ET10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME152# | ICP Calibration mix EU14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME153# | ICP Calibration mix EV34 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME154# | ICP Calibration mix EW14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME155# | ICP Calibration mix EX8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME156# | ICP Calibration mix EY15 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME157# | ICP Calibration mix EZ8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME158# | ICP Calibration mix FA2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME159# | ICP Calibration mix FB5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME160# | ICP Calibration mix FC8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME161# | ICP Calibration mix FD5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME163# | ICP Calibration mix FG2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME164# | ICP Calibration mix FH14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME165# | ICP Calibration mix FI23 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME169# | ICP Calibration mix FM2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME170# | ICP Calibration mix FN15 PrimAg multi-element reference solution | RT      | 1 year     |        |

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### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code   | Description  | Storage | Shelf Life | Opened |
|--------|--|---------|------------|--------|
| ME171# | ICP Calibration mix FO6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME172# | ICP Calibration mix FP27 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME173# | ICP Calibration mix FQ5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME174# | ICP Calibration mix FR2 PrimAg multi-element reference solution  | FR      | 1 year     |        |
| ME175# | ICP Calibration mix FS9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME176# | ICP Calibration mix FT4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME177# | ICP Calibration mix FU11 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME178# | ICP Calibration mix FV3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME179# | ICP Calibration mix FW21 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME180# | ICP Calibration mix FX13 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME181# | ICP Calibration mix FY4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME182# | ICP Calibration mix FZ3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME183# | ICP Calibration mix GA27 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME184# | ICP Calibration mix GB19 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME185# | ICP Calibration mix GC5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME186# | ICP Calibration mix GD12 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME187# | ICP Calibration mix GE21 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME188# | ICP Calibration mix GF21 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME189# | ICP Calibration mix GH9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME190# | ICP Calibration mix GI9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME191# | ICP Calibration mix GJ14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME192# | ICP Calibration mix GK7 PrimAg multi-element reference solution  | FR      | 1 year     |        |
| ME193# | ICP Calibration mix GL2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME194# | ICP Calibration mix GM6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME195# | ICP Calibration mix GN6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME196# | ICP Calibration mix GO6 PrimAg multi-element reference solution  | FR      | 1 year     |        |
| ME197# | ICP Calibration mix GP14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME198# | ICP Calibration mix GQ10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME199# | ICP Calibration mix GR7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME200# | ICP Calibration mix GS12 PrimAg multi-element reference solution | RT      | 1 year     |        |

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### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code   | Description  | Storage | Shelf Life | Opened |
|--------|--|---------|------------|--------|
| ME201# | ICP Calibration mix GT5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME202# | ICP Calibration mix GU3 PrimAg multi-element reference solution  | FR      | 1 year     |        |
| ME203# | ICP Calibration mix GV9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME204# | ICP Calibration mix GW4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME205# | ICP Calibration mix GX5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME206# | ICP Calibration mix GY2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME207# | ICP Calibration mix GZ12 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME208# | ICP Calibration mix HA8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME209# | ICP Calibration mix HB3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME210# | ICP Calibration mix HC2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME213# | ICP Calibration mix HF3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME211# | ICP Calibration mix HG4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME212# | ICP Calibration mix HH10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME214# | ICP Calibration mix HI4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME215# | ICP Calibration mix HJ3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME216# | ICP Calibration mix HK13 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME217# | ICP Calibration mix HL4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME218# | ICP Calibration mix HM15 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME219# | ICP Calibration mix HN14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME220# | ICP Calibration mix HO27 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME221# | ICP Calibration mix HP5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME222# | ICP Calibration mix HQ12 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME223# | ICP Calibration mix HR5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME224# | ICP Calibration mix HS2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME225# | ICP Calibration mix HT20 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME226# | ICP Calibration mix HU2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME227# | ICP Calibration mix HV7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME228# | ICP Calibration mix HW9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME229# | ICP Calibration mix HX2 PrimAg multi-element reference solution  | RT      | 1 year     |        |

## *Recommended Shelf Life*

### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code   | Description  | Storage | Shelf Life | Opened |
|--------|--|---------|------------|--------|
| ME230# | ICP Calibration mix HY8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME231# | ICP Calibration mix HZ2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME232# | ICP Calibration mix IA17 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME233# | ICP Calibration mix IB7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME234# | ICP Calibration mix IC8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME235# | ICP Calibration mix ID5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME236# | ICP Calibration mix IE29 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME237# | ICP Calibration mix IF3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME238# | ICP Calibration mix IG23 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME239# | ICP Calibration mix IH8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME240# | ICP Calibration mix II6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME241# | ICP Calibration mix IJ8 PrimAg multi-element reference solution  | FR      | 1 year     |        |
| ME242# | ICP Calibration mix IK13 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME243# | ICP Calibration mix IL13 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME244# | ICP Calibration mix IM22 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME245# | ICP Calibration mix IN4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME246# | ICP Calibration mix IO5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME247# | ICP Calibration mix IP4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME248# | ICP Calibration mix IQ24 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME249# | ICP Calibration mix IR7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME250# | ICP Calibration mix IS10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME251# | ICP Calibration mix IT4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME252# | ICP Calibration mix IU17 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME253# | ICP Calibration mix IV9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME254# | ICP Calibration mix IW10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME255# | ICP Calibration mix IX10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME257# | ICP Calibration mix IZ3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME258# | ICP Calibration mix JA19 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME259# | ICP Calibration mix JB8 PrimAg multi-element reference solution  | FR      | 1 year     |        |
| ME260# | ICP Calibration mix JC4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME261# | ICP Calibration mix JD5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME262# | ICP Calibration mix JE59 PrimAg multi-element reference solution | FR      | 1 year     |        |
| ME263# | ICP Calibration mix JF10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME264# | ICP Calibration mix JG21 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME265# | ICP Calibration mix JH7 PrimAg multi-element reference solution  | FR      | 1 year     |        |
| ME266# | ICP Calibration mix JI17 PrimAg multi-element reference solution | RT      | 1 year     |        |

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### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code   | Description  | Storage | Shelf Life | Opened |
|--------|--|---------|------------|--------|
| ME267# | ICP Calibration mix JJ5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME269# | ICP Calibration mix JL14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME271# | ICP Calibration mix JN3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME272# | ICP Calibration mix JO5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME273# | ICP Calibration mix JP12 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME275# | ICP Calibration mix JR17 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME276# | ICP Calibration mix JS12 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME277# | ICP Calibration mix JT15 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME278# | ICP Calibration mix JU8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME279# | ICP Calibration mix JV9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME280# | ICP Calibration mix JW8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME281# | ICP Calibration mix JX6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME282# | ICP Calibration mix JY2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME284# | ICP Calibration mix KA6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME285# | ICP Calibration mix KB12 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME286# | ICP Calibration mix KC9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME287# | ICP Calibration mix KD7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME288# | ICP Calibration mix KE2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME289# | ICP Calibration mix KF12 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME290# | ICP Calibration mix KG10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME291# | ICP Calibration mix KH8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME292# | ICP Calibration mix KI15 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME293# | ICP Calibration mix KJ8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME295# | ICP Calibration mix KL23 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME296# | ICP Calibration mix KM7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME297# | ICP Calibration mix KN9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME298# | ICP Calibration mix KO9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME299# | ICP Calibration mix KP7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME300# | ICP Calibration mix KQ7 PrimAg multi-element reference solution  | RT      | 1 year     |        |

## *Recommended Shelf Life*

### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code   | Description  | Storage | Shelf Life | Opened |
|--------|--|---------|------------|--------|
| ME301# | ICP Calibration mix KR5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME302# | ICP Calibration mix KS14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME303# | ICP Calibration mix KT10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME304# | ICP Calibration mix KU8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME305# | ICP Calibration mix KV3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME306# | ICP Calibration mix KW9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME307# | ICP Calibration mix KX9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME310# | ICP Calibration mix LA4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME311# | ICP Calibration mix LB4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME312# | ICP Calibration mix LC10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME313# | ICP Calibration mix LD4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME314# | ICP Calibration mix LE19 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME315# | ICP Calibration mix LF9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME317# | ICP Calibration mix LH10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME318# | ICP Calibration mix LI3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME319# | ICP Calibration mix LJ18 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME320# | ICP Calibration mix LK9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME321# | ICP Calibration mix LL9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME322# | ICP Calibration mix LM6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME324# | ICP Calibration mix LO22 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME325# | ICP Calibration mix LP5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME326# | ICP Calibration mix LQ11 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME327# | ICP Calibration mix LR5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME328# | ICP Calibration mix LS7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME329# | ICP Calibration mix LT10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME330# | ICP Calibration mix LU11 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME331# | ICP Calibration mix LV8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME332# | ICP Calibration mix LW11 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME333# | ICP Calibration mix LX8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME334# | ICP Calibration mix LY8 PrimAg multi-element reference solution  | FR      | 1 year     |        |
| ME335# | ICP Calibration mix LZ9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME336# | ICP Calibration mix MA9 PrimAg multi-element reference solution  | RT      | 1 year     |        |

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### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code   | Description  | Storage | Shelf Life | Opened |
|--------|--|---------|------------|--------|
| ME338# | ICP Calibration mix MC14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME339# | ICP Calibration mix MD8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME340# | ICP Calibration mix ME23 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME342# | ICP Calibration mix MG11 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME343# | ICP Calibration mix MH13 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME344# | ICP Calibration mix MI7 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME345# | ICP Calibration mix MJ8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME346# | ICP Calibration mix MK5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME347# | ICP Calibration mix ML20 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME348# | ICP Calibration mix MM25 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME350# | ICP Calibration mix MO4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME351# | ICP Calibration mix MP8 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME352# | ICP Calibration mix MQ6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME353# | ICP Calibration mix MR5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME354# | ICP Calibration mix MS24 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME355# | ICP Calibration mix MT5 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME356# | ICP Calibration mix MU20 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME357# | ICP Calibration mix MV21 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME358# | ICP Calibration mix MW16 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME359# | ICP Calibration mix MX11 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME360# | ICP Calibration mix MY9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME361# | ICP Calibration mix MZ14 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME362# | ICP Calibration mix NA15 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME363# | ICP Calibration mix NB6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME364# | ICP Calibration mix NC18 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME365# | ICP Calibration mix ND21 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME372# | ICP Calibration mix NK23 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME374# | ICP Calibration mix NM23 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME375# | ICP Calibration mix NN5 PrimAg multi-element reference solution  | RT      | 1 year     |        |

## *Recommended Shelf Life*

### *ROMIL PrimAg® Multi-Element Reference Solutions*

| Code   | Description  | Storage | Shelf Life | Opened |
|--------|--|---------|------------|--------|
| ME376# | ICP Calibration mix NO10 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME377# | ICP Calibration mix NP7 PrimAg multi-element reference solution  | RD      | 1 year     |        |
| ME378# | ICP Calibration mix NQ13 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME379# | ICP Calibration mix NR6 PrimAg multi-element reference solution  | RD      | 1 year     |        |
| ME380# | ICP Calibration mix NS25 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME381# | ICP Calibration mix NT4 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME382# | ICP Calibration mix NU2 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME383# | ICP Calibration mix NV12 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME385# | ICP Calibration mix NX9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME386# | ICP Calibration mix NY24 PrimAg multi-element reference solution | RD      | 1 year     |        |
| ME387# | ICP Calibration mix NZ33 PrimAg multi-element reference solution | FR      | 1 year     |        |
| ME388# | ICP Calibration mix OA17 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME389# | ICP Calibration mix OB27 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME390# | ICP Calibration mix OC57 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME391# | ICP Calibration mix OD3 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME393# | ICP Calibration mix OF9 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME394# | ICP Calibration mix OG18 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME395# | ICP Calibration mix OH13 PrimAg multi-element reference solution | RT      | 1 year     |        |
| ME396# | ICP Calibration mix OI6 PrimAg multi-element reference solution  | RT      | 1 year     |        |
| ME397# | ICP Calibration mix OJ20 PrimAg multi-element reference solution | RT      | 1 year     |        |

| Code | Storage Temperature & Conditions            |
|------|---|
| RT   | Store at 15-25°C (room temperature)         |
| RD   | Store at 15-25°C in dark (room temperature) |
| FR   | Store at 2-8°C (fridge)                     |
| FD   | Store at 2-8°C in dark (fridge)             |
| FZ   | Store at -10 to -25°C (freezer)             |
| DI   | Store at -70°C (dry ice)                    |

Shelf Life (or Certificate Validity) period after opening must run within the unopened period otherwise it should be reduced accordingly.

For more information see [www.romil.com/products/shelf-lives/](http://www.romil.com/products/shelf-lives/)

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