

## Benzene

### • General grade

| Range(cmol/mol) |        |        | Cylinder type | Blending tolerance(%) | Uncertainty (%) | Shelf life (months) | Pressure |      |
|-----------------|--------|--------|---------------|-----------------------|-----------------|---------------------|----------|------|
|                 |        |        |               |                       |                 |                     | psig     | MPa  |
| 1               | 0.0001 | 0.0003 | Al-B          | 10                    | 3               | 6                   | 1500     | 10   |
| 2               | 0.0003 | 0.0006 | Al-B          | 10                    | 3               | 12                  | 1500     | 10   |
| 3               | 0.0006 | 0.0055 | Al-A          | 5                     | 2               | 12                  | 1500     | 10   |
|                 |        |        | Al-B          | 5                     | 2               | 12                  | 1500     | 10   |
| 4               | 0.0055 | 0.011  | Steel-A       | 3                     | 2               | 12                  | 1500     | 10   |
|                 |        |        | Steel-B       | 3                     | 2               | 12                  | 1500     | 10   |
|                 |        |        | Al-A          | 3                     | 2               | 12                  | 1500     | 10   |
|                 |        |        | Al-B          | 3                     | 2               | 12                  | 1500     | 10   |
| 5               | 0.011  | 100    | Steel-A       | 2                     | 2               | 12                  | 0~1500   | 0~10 |
|                 |        |        | Steel-B       | 2                     | 2               | 12                  | 0~1500   | 0~10 |
|                 |        |        | Al-A          | 2                     | 2               | 12                  | 0~1500   | 0~10 |
|                 |        |        | Al-B          | 2                     | 2               | 12                  | 0~1500   | 0~10 |

### • Special grade

| Range(cmol/mol) |  |  | Cylinder type | Blending tolerance(%) | Uncertainty (%) | Shelf life (months) | Pressure |     |
|-----------------|--|--|---------------|-----------------------|-----------------|---------------------|----------|-----|
|                 |  |  |               |                       |                 |                     | psig     | MPa |
|                 |  |  |               |                       |                 |                     |          |     |
|                 |  |  |               |                       |                 |                     |          |     |
|                 |  |  |               |                       |                 |                     |          |     |
|                 |  |  |               |                       |                 |                     |          |     |

### • Equipment recommendations

| Regulator Model* |            | GB | GS | SB | SS |
|------------------|------------|----|----|----|----|
| Concentration    | ~0.0005    | △  | △  | O  | O  |
| Range (cmol/mol) | 0.0005~0.5 | O  | O  | O  | O  |
|                  | 0.5~       | O  | O  | O  | O  |

O: Available, △: Available but not recommended, X: N/A(not available)

\* GB : G-series Brass Regulator

GS : G-series SUS Regulator

SB : S-series Brass Regulator

SS : S-series SUS Regulator

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