

iso-Valeric acid

• General grade

| Range(cmol/mol) | | | Cylinder type | Blending tolerance(%) | Uncertainty (%) | Shelf life (months) | Pressure | |
|-----------------|--------|--------|---------------|-----------------------|-----------------|---------------------|-----------|---------|
| | | | | | | | psig | MPa |
| 1 | 0.0001 | 0.0003 | Al-B | 20 | 10 | 6 | 1500 | 10 |
| 2 | 0.0003 | 0.0006 | Al-B | 20 | 7 | 6 | 1280~1500 | 8.8~10 |
| 3 | 0.0006 | 0.0022 | Al-B | 15 | 5 | 6 | 360~1280 | 2.5~8.8 |
| 4 | 0.0022 | 0.0055 | Al-B | 15 | 3 | 6 | 150~360 | 1~2.5 |
| 5 | 0.0055 | 0.011 | Al-B | 10 | 3 | 12 | 60~150 | 0.5~1 |
| 6 | 0.011 | 0.11 | Al-B | 5 | 2 | 12 | 0~60 | 0~0.5 |
| 7 | 0.11 | 0.9 | Al-B | 3 | 2 | 12 | 0 | 0 |
| 8 | 0.9 | 100 | Al-B | 2 | 2 | 12 | 0 | 0 |

• 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 Range (cmol/mol) | ~0.0005 | X | △ | △ | O |
| | 0.0005~0.5 | △ | O | △ | O |
| | 0.5~ | X | 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

RIGAS Co., Ltd manufactures various specifications of gas and liquid standard materials.

- Atmospheric environmental gas, Automobile exhaust gas, Petrochemical and Natural Gas

- Laser gas mixtures, Odor standards, Volatile organic compound standards (VOCs)