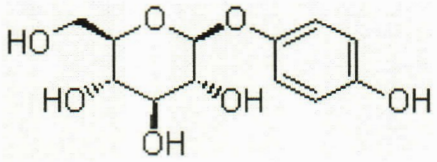
Compounding Chemicals.com.au

# Alpha-Arbutin

Batch no 20260526
Mf date May 26 2026
Expiry May 25 2029

Molecular Structure



Molecular Formula $C_{12}H_{16}O_7$
Molecular Weight 272.25
CAS Registry Number 84380-01-8

Oct 26 2026

| Tests | Specifications | Results |
|---|---|---|
| Appearance | White crystalline powder | Conforms |
| Melting point | 203 ~ 207℃ | 203.5 ~ 204.5℃ |
| Clarity of water solution | Transparency, colorless, no suspended matters | Conforms |
| pH value of 1% aq solution | 5.0 ~ 7.0 | 6.38 |
| Specific optical rotation $[\alpha]_D^{20}$ | +176 ~ +184° | +179.25° |
| Arsenic | ≤ 2 ppm | < 2 ppm |
| Hydroquinone | ≤ 10 ppm | < 10 ppm |
| Heavy metals | ≤ 10 ppm | < 10 ppm |
| Loss on drying | ≤ 0.5% | 0.11% |
| Residue on ignition | ≤ 0.5% | 0.05% |
| Pathogen | Bacteria ≤ 100 cfu/g | < 100 cfu/g |
| | Fungus ≤ 100 cfu/g | < 100 cfu/g |
| Assay | ≥ 99% | 99.99% |

| | |
|---|---|
| Packaging & storage | Store in cool & dry place do not freeze, away from strong light |
| Conclusion | Material complies with in house standard |