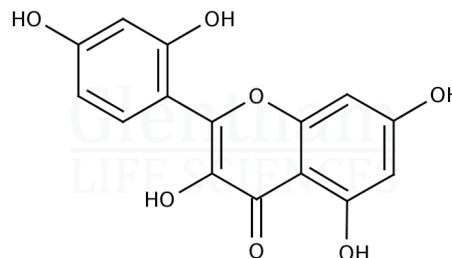


Certificate of Analysis

| | |
|-------------------|-------------------------------|
| Product Name | Morin hydrate |
| Glentham Code | GL8475 |
| CAS Number | 654055-01-3 |
| EINECS | 207-542-9 |
| MDL Number | MFCD00217054 |
| Additional CAS | 480-16-0 |
| Batch Number | 2610VB |
| Molecular Weight | 302.24 (anhydrous) |
| Molecular Formula | $C_{15}H_{10}O_7 \cdot xH_2O$ |
| Storage Temp. | +20°C |



| Property | Specification | Batch 2610VB |
|--|--|----------------------------------|
| Physical Description | Yellow to brown powder | Dark yellow powder |
| Solubility (0.1% in ethanol) | Clear to faintly turbid, yellow to orange-brown solution | Slightly turbid, yellow solution |
| Wavelength of Maximum Absorption (λ_{max}) | 360 - 375 nm (in methanol) | 372.0nm |
| Specific Absorption ($E_{1\%}/1cm$) | ≥ 300 (at λ_{max}) | 845.0 |
| Water (KF) | $\leq 12.5\%$ | 10.9% |
| Assay | $\geq 95.0\%$ | 98.15% |

| | |
|-----------------------|------------|
| Specification Version | v1.1 |
| Manufacture Date | 2021-01-08 |
| Re-Test Date | 2029-02-25 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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