



Laboratory chemicals and products-Clinical chemistry and hematology products-Fine & industrial chemicals

Certificate of Analysis

Product No 9821
Acetonitrile
BAKER ANALYZED LC-MS Reagent

Lot No 1407328004

Release Date 14-Mar-14

| Test | Specification | Actual value |
|---|---------------|--------------|
| Assay (by GC) | min. 99.9 % | 100.0 % |
| Residue after Evaporation | max. 1 ppm | < 0.5 ppm |
| Water (H ₂ O) | max. 0.01 % | 0.001 % |
| <i>LC-Gradient-Diode Array Detection (AU), test solution is modified with 0.1% (v/v) formic acid:</i> | | |
| at 220 nm | max. 0.002 | < 0.002 |
| at 254 nm | max. 0.001 | < 0.001 |
| <i>LC-MS Gradient Suitability Test (TIC, 100 to 2000 m/z), test solution is modified with 0.1% (v/v) formic acid:</i> | | |
| Positive ESI-MS Sensitive Impurities (as Reserpine) | max. 50 ng/ml | < 50 ng/ml |
| <i>Trace Impurities (in ppb)</i> | | |
| Aluminium (Al) | max. 50 | < 1 |
| Calcium (Ca) | max. 50 | 1 |
| Iron (Fe) | max. 50 | < 1 |
| Magnesium (Mg) | max. 50 | < 1 |
| Potassium (K) | max. 50 | < 1 |
| Sodium (Na) | max. 50 | < 1 |
| <i>Ultraviolet Absorbance (1.00-cm path vs water):</i> | | |
| at 200 nm | max. 0.05 | 0.01 |
| at 220 nm | max. 0.01 | 0.01 |
| at 254 nm | max. 0.01 | < 0.01 |
| <i>Product Information (not specifications):</i> | | |
| Density (g/ml) at 20°C | 0.78 | |
| Refractive Index n ₂₀ /D | 1.344 | |

Element concentrations are at time of lot release.

Use Before Date: 2016-04

For Laboratory, Research or Manufacturing Use.

This document is automatically generated.

For questions on this cofa, please contact Customer Service at avantor.emea@avantormaterials.com

The information in this document is property of Avantor Performance Materials B.V.

Avantor Performance Materials B.V. Teugseweg 20 7418 AM Deventer The Netherlands Tel:+31 570687500

Only for Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) relevant countries:

For information on Use Descriptors please contact us by mail to

JTBaker_REACH_USERS@avantormaterials.com indicating the JTBaker product number you purchase.



Dr. J Mittendorf
QA & RA Manager