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## Specification

|  |   |
|--|---|
| <b>Product</b>   | <b>Acetone pure EP, NF (pharma grade)</b>         |
| Product number   | LC-4077 (revised)                                 |
| Synonym(s)   | 2-Propanone, $\beta$ -Ketopropane, Dimethylketone |
| Formula  | C <sub>3</sub> H <sub>6</sub> O                   |
| Molecular weight   | 58.08 g/mol                                       |
| CAS number   | 67-64-1   |
| Storage  | below 25°C  |
| Retest period (months)   | 48  |
| We herewith confirm that this product meets the requirements of the European Pharmacopoeia (EP) and the United States National Formulary (NF). |   |
| <b>Parameter</b>   | <b>Specification</b>                              |
| Assay (NF)   | min. 99.0 %                                       |
| Identity (EP, NF)  | passes test                                       |
| Appearance (EP)  | passes test                                       |
| Solubility (EP)  | passes test                                       |
| Appearance of solution (EP)  | clear and colourless                              |
| Relative density (EP)  | 0.790 - 0.793                                     |
| Acidity or alkalinity (EP)   | passes test                                       |
| Reducing substances (EP)   | passes test                                       |
| Readily oxidisable substances (NF)   | passes test                                       |
| Non-volatile residue (NF)  | max. 0.004 %                                      |
| Related substances (EP)  |   |
| impurity A and B (each impurity)   | max. 0.05 %                                       |
| impurity C   | max. 0.0002 %                                     |
| any other impurity (each impurity)   | max. 0.05 %                                       |
| Matter insoluble in water (EP)   | passes test                                       |
| Residue on evaporation (EP)  | max. 0.005 %                                      |
| Water (EP)   | max. 0.3 %  |
| Water (NF)   | max. 0.5 %  |

Einhausen, 22.03.2024 (revised)