

Specification

Riboflavin (Ph. Eur., USP) pure, pharma grade

A6279

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|------------------------------|--|
| Solubility: | 0.065 g/L (H ₂ O) |
| Physical Description: | Solid |
| Product Code: | A6279 |
| Product Name: | Riboflavin (Ph. Eur., USP) pure, pharma grade |
| Specifications: | <p>Assay (UV, dried subst.): 98.0 - 102.0 %</p> <p>$\alpha_{20^{\circ}\text{C/D}}$; 0.5 %, 0.05 N NaOH, dried subst.: -115° - -135°</p> <p>Identity: passes test</p> <p>Loss on drying: max. 1.5 %</p> <p>Sulfated ash: max. 0.1 %</p> <p>$A_{373\text{ nm}} / A_{267\text{ nm}}$: 0.31 - 0.33</p> <p>$A_{444\text{ nm}} / A_{267\text{ nm}}$: 0.36 - 0.39</p> <p>Absorption maxima (223, 267, 373, 444 nm): passes test</p> <p>Impurity A (HPLC): max. 0.025 %</p> <p>Impurity B (HPLC): max. 0.20 %</p> <p>Impurity C (HPLC): max. 0.20 %</p> <p>Impurity D (HPLC): max. 0.20 %</p> <p>Related substances impurities (total) (HPLC): max. 0.5 %</p> <p>Largest unspecified impurity (HPLC): max. 0.10 %</p> <p>Lumiflavin (UV): passes test</p> |
| WGK: | 1 |
| Storage: | RT protected from light |
| Molecular Formula: | C ₁₇ H ₂₀ N ₄ O ₆ |
| M: | 376.40 g/mol |
| CAS: | 83-88-5 |
| EINECS: | 201-507-1 |
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AppliChem GmbH

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A6279

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| CS: | 29362300 |
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AppliChem GmbH

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • info.de@itwreagents.com • www.itwreagents.com
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 007 225 00192 • Register court Darmstadt HRB Nr. 7340