

Specification

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

**A6279**

<b>Solubility:</b>	0.065 g/L (H <sub>2</sub> O)
<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A6279
<b>Product Name:</b>	Riboflavin (Ph. Eur., USP) pure, pharma grade
<b>Specifications:</b>	<p>Assay (UV, dried subst.): 98.0 - 102.0 %</p> <p><math>\alpha</math>20°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><math>A_{373 \text{ nm}} / A_{267 \text{ nm}}</math>: 0.31 - 0.33</p> <p><math>A_{444 \text{ nm}} / A_{267 \text{ nm}}</math>: 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>Largest unspecified impurity (HPLC): max. 0.10 %</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>Lumiflavin (UV): passes test</p>
<b>WGK:</b>	1
<b>Storage:</b>	RT protected from light
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub>
<b>M:</b>	376.40 g/mol
<b>CAS:</b>	83-88-5
<b>EINECS:</b>	201-507-1

**AppliChem GmbH**

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CS:	29362300
	

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