

Specification

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

A6279

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>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>$\alpha_{20^\circ\text{C/D}}$; 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>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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CS:	29362300
	

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