

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Riboflavine**
Specifications & Purity: **98%**
SKU #: **R104137**

Parameter	Limit Values
Ratio of Absorbances(A444/A267)	0.36-0.39
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in } 0.05 \text{ M NaOH})$	-142--115 (°)
Nitrogen by Elemental Analysis	14.6-15.2 (%)
Sulfate Ash	0-0.1 (%)
Purity(HPLC)	98-100 (%)
Loss on drying	0-1.5 (%)
Ratio of Absorbances(A373/A267)	0.31-0.33
Carbon by Elemental Analysis	53.2-55.3 (%)
Appearance (R104137)	White to Yellow to Orange or Orange-Yellow Powder to Crystal
Infrared spectrum	Conforms to Structure
lumiflavine	pass
Solubility in 0.1M NaOH	Yellow to Orange,Clear,10 mg/ml