

# Chem-Impex International, Inc.

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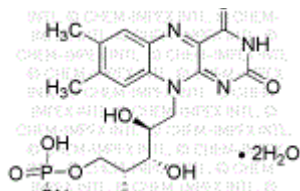
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Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



## Product Specifications

Catalogue Number	00259
Product	<b>Riboflavin-5'-phosphate sodium salt</b> FMM-Na·2H <sub>2</sub> O Flavin mononucleotide sodium salt dihydrate
CAS Number	6184-17-4
Molecular Formula	C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>9</sub> PNa·2H <sub>2</sub> O
Molecular Weight	514.36

Appearance	Yellow to orange yellow crystalline powder
Anion	Free Phosphate (PO <sub>4</sub> ) : ≤ 1%
pH	5.0 - 6.5
Optical Rotation	[α] <sub>D</sub> <sup>20</sup> = 37 - 42 °
Loss on Drying	≤ 7.5%
Related Substances	Free riboflavin : ≤ 6% Riboflavin Diphosphates as Riboflavin : ≤ 6%
Residue On Ignition	≤ 25%
Assay	73 - 79% (On dried basis)
Grade	Meets USP specification
Storage	Store at 0 - 8 °C
Additional Information	Identification : Test A : Color and fluorescence of solution : The solution is pale greenish yellow by transmitted light, and it exhibits an intense yellowish green fluorescence by reflected light under long wavelength UV light that disappears upon the addition of mineral acids or alkalies. Test B : Sodium and Phosphate : The sample solution meets the requirements.  Limit of Lumiflavin : Absorbance ≤ 0.025

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**For Laboratory Use Only**