

# *Chem-Impex International, Inc.*

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## *Certificate of Analysis*

<b>Catalogue Number</b>	00259
<b>Product</b>	<b>Riboflavin-5'-phosphate sodium salt dihydrate</b>
<b>Lot Number</b>	002036-2016119 FMM-Na·2H <sub>2</sub> O Flavin mononucleotide sodium salt dihydrate
<b>CAS Number</b>	6184-17-4
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>9</sub> PNa·2H <sub>2</sub> O
<b>Molecular Weight</b>	514.36

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<b>Appearance</b>	Orange yellowish crystalline powder
<b>pH</b>	6.0
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +39.0°
<b>Loss on Drying</b>	4.6%
<b>Organic Volatile Impurities</b>	Meets requirements
<b>Related Substances</b>	Free Riboflavin: < 6.0% (HPLC) Riboflavin Phosphates: < 6.0% (HPLC)
<b>Residue On Ignition</b>	22.3%
<b>Purity by UV</b>	74.0% (anhydrous basis)
<b>Grade</b>	USP
<b>Storage</b>	Store at 0-8 °C
<b>Additional Information</b>	Identification: Passes test Limit of Lumiflavin: < 0.025 @ 440 nm
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**