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Product Specifications

Catalogue Number	33046
Product	Flavin adenine dinucleotide disodium salt FAD•2Na hydrate
CAS Number	84366-81-4
Molecular Formula	C ₂₇ H ₃₁ N ₉ O ₁₅ P ₂ Na ₂
Molecular Weight	829.52
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Appearance	Yellow-orange powder
Appearance of Solution	Clear, yellow-orange cast (C=20 mg/ml in water)
Heavy Metals	≤ 10 ppm (as Pb)
Water Content (Karl Fisher)	≤ 10%
pH	5.5 - 6.5
Yeast and Mold	≤ 100 cfu/g (TYMC)
Optical Rotation	[α] _D ²⁰ = -25.5 to -21.0° (C=20 mg/mL in H ₂ O)
Infrared Spectrum	Conforms to structure
Endotoxin Test	≤ 100 EU/g
Microbial Count	≤ 100 cfu/g (TAMC)
Assay by titration	≥ 93% (Assay by spectrophotometry)
Grade	suitable for cell culture
Storage	Store at ≤ -4 °C

For Laboratory Use Only