



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: Vitamin B₂ (Riboflavin)

CAS No.: 83-88-5

Batch Number: HDC20230524

Batch Quantity: 550kg

Manufacturing Date: May 24th, 2023

Retest Date: May 23rd, 2025

Report Date: May 26th, 2023

Packing Size: 25kg/Drum

Test Items	Specifications	Test Results
Appearance	Yellow or orange yellow crystalline powder	Conforms
Identification	Intense yellowish-green fluorescence that dis-appears upon the addition of mineral acids or alkalies	Conforms
Lumiflavin	Not more than 0.025	0.005
Specific Rotation	-115°~ -135°	-116°
Assay	98.0% ~ 102.0%	99.2%
Loss on Drying	Not more than 1.5%	0.27%
Residue on Ignition	Not more than 0.3%	0.07%
Lead (Pb)	Not more than 1 ppm	<0.02 ppm
Heavy Metals (as Pb)	Not more than 10 ppm	<10 ppm
Aerobic Plate Count	Not more than 1000 CFU/g	<1000 CFU/g
Yeasts & Moulds Count	Not more than 100 CFU/g	<100 CFU/g
Escherichia coli	Negative	Not detected

Conclusion: The testing results of this batch are complied with the Standard of USP43.

Storage Conditions: Preserved in unopened original containers in a cool dry place; kept away from direct sunlight, heat and moisture.