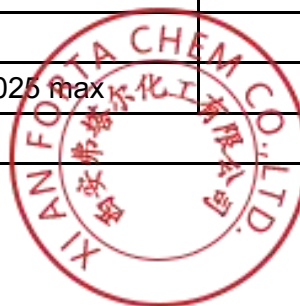


Certificate of Analysis

Product Name:	Riboflavin(Vitamin B ₂)
Model:	/
Batch No.:	062507
Manufacturing Date:	2018.06.25
Expiry Date:	2021.06.24
Shelf life:	36 months

Items	Standard	Result
Appearance	Yellow or orange-yellow crystalline powder	Conform
Identification	Positive	Conform
Assay(%)	98.0~102.0	99.8
Specific rotation (°)	+56.5~+59.5	+58.1
Loss on drying (%)	1.5max	0.55
Residue on ignition(%)	0.3max	0.07
Lumiflavin	440 nm Absorbance 0.025 max	0.009
Particle size : The results are shown in Test Report		



Trade name	Iron oxide yellow		
Type	313		
Chemical name	iron hydroxide oxide(α -FeOOH)		
Color index	Pigment yellow 42		
SAS NO./EC NO.	20344-49-4/243-746-4		
Specification	Contents(α -FeOOH)	%	≥ 86 ISO 1248
	Oil absorption	ml/100g	25~35 ISO 787-5
	Res. on 325 mesh	%	≤ 0.3 ISO 787-7
	Water soluble salts	%	≤ 0.3 ISO 787-3
	Moisture	%	≤ 1.0 ISO 787-2
	PH value		3.5~7 ISO 787-9
	Ignition loss(1000°C, 1/2h)	%	≤ 14 DIN 55913
	Bulk density	g/cm ³	0.4~0.6 ISO 787-11
	Specific gravity	g/cm ³	4.1 ISO 787-10
	Particle size BET	μ m	0.1*0.6 Electron Micrographs
	Tinting Strength (Compared with standard)	%	95~105 ISO 787-24
	Color Difference ΔE (Compared with standard)		≤ 1.0 ISO 787-1
	Particle shape		Acicular
	Sales packing	In 25 kg paper bag/1000kg bulk bag then palletized,etc.	
Transport & Storage	Protect against weathering/Store in dry places.		
Safety	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008		