

## CERTIFICATION OF ANALYSIS

Product name: RUTIN  
Botanical Source: *Sophora Japonica L.*  
Quantity: 1500kg  
Manufacture Date: 2020/09/15

Specification: NF11  
Batch No.: RT180915  
Inspection Date: 2020/0918  
Expiry Date: 2022/09/14

Characters	Specifications	Results
Appearance	Yellow or greenish-yellow, crystalline powder	Greenish-yellow crystalline powder
Solubility	Practically insoluble in chloroform and ether	Complies
	Infinitesimally soluble in cool water	Complies
	Sparingly soluble in boiling ethanol and boiling water	Complies
	Dissolves in solution of alkali hydroxides	Complies
Loss on drying	5.5-9.0%	7.28%
Residue on Ignition	≤0.5%	0.34%
Impurity quercetin	≤5%	Complies
Red pigments	≤0.004%	Complies
Heavy Metal	≤20ppm	<10ppm
Mesh Size	95% pass 80 mesh	Complies
Assay by UV(anhydrous substance)	95.0%-101.5%	98.60%
Conclusion: the test results conform to NF11		



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