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CERTIFICATE OF ANALYSIS

Product Name	Rutin	Code	BPBE-605-B
Botanical Source	Sophora Japonica L.	Used Part	Flower Buds
Batch No.	H030860517B	Mfg. Date	Aug. 10, 2017
Packing	25kg/Drum	Retest Date	Aug. 09, 2019
Quantity	1000kg	Report Date	Aug. 16, 2017
Specification	NF11		

ITEM	SPECIFICATION	RESULT
Assay (UV, on dried basis)	95.0%~102.0%	97.57%
Appearance	Yellow to greenish-yellow powder	Complies
Identification	Chemical reaction: Must positive	Complies
Particle Size	≥95% pass 80 mesh	Complies
Loss on Drying	5.5%~9.0%	7.04%
Sulphated Ash	≤0.5%	0.35%
Chlorophyll	≤0.004%	Complies
Red Pigments	≤0.004%	Complies
Quercetin	≤5.0%	<5.0%
Heavy Metals	≤10ppm	Complies
Total Plate Count	≤1000cfu/g	Complies
-Yeast & Mould	≤100cfu/g	Complies
-E.Coli	Negative	Negative
-Salmonella	Negative	Negative
-Coliforms	≤10cfu/g	Complies
As, Hg, Cd, Pb about Sophora Japonica (starting material of Rutin) is as below:		
-As	≤1ppm	Complies
-Pb	≤3ppm	Complies
-Cd	≤1ppm	Complies
-Hg	≤0.1ppm	Complies
Conclusion	Comply with NF11.	
Storage	Preserve in tight containers, protected from strong light and high heat. Store in dry cool place.	

Analyst:

QC Manager:

QA:

Benepure—Natural Ingredients Specialist.

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