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CERTIFICATE OF ANALYSIS

Product Name	Troxerutin	Code	BPBE-606-A
Botanical Source	Sophora Japonica L.	Used Part	Flower buds
Batch No.	H021060617A	Mfg. Date	Oct. 18, 2017
Packing	25kg/Drum	Retest Date	Oct. 17, 2019
Quantity	1000kg	Report Date	Oct. 22, 2017
Specification	EP9.3		

ITEM	SPECIFICATION	RESULT
Assay (Dried substance)	95.0%-105.0%	100.78%
Appearance	Yellowish-green crystalline powder, hygroscopic.	Complies
Solubility	Freely soluble in water, slightly soluble in ethanol (96%) and practically insoluble in methylene chloride.	Complies
Identification	A) IR: The infrared spectrum should be conformed to the Troxerutin CRS. B) The principal peak in the chromatogram obtained with the test solution should corresponds to the chromatogram obtained with the reference solution.	Complies
Loss on Drying	≤5.0%	1.46%
Sulphated Ash	≤0.4%	0.19%
Composition		
Principal peak	≥80%	88.2%
Any other peak than principal peak:	Each peak ≤5%, except 1 peak can be ≤10%	Complies
Result reported:		
-Monohydroxyethylrutin	Meets the a.m. requirements	0.06%
-Dihydroxyethylrutin	Meets the a.m. requirements	3.51%
-Tetrahydroxyethylrutin	Meets the a.m. requirements	2.27%
Ethylene Oxide(GC)	≤1ppm	Undetected
Residual Solvents		
Methanol	≤3000ppm	Complies
Total Plate Count	≤1000cfu/g	Complies
-Yeast & Mould	≤100cfu/g	Complies
-E.Coli	Negative	Negative
-Salmonella	Negative	Negative
Conclusion	Comply with EP9.3.	
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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