

CERTIFICATE OF ANALYSIS

Product Name	Diosmin+Hesperidin 9:1	Code	BPBE-612-A
Botanical Source	Citrus Aurantium L.	Used Part	Immature fruit
Batch No.	H020961220A	Mfg. Date	Sept. 05, 2020
Packing	25kg/Drum	Retest Date	Sept. 04, 2024
Quantity	1000kg	Report Date	Sept. 10, 2020
Specification	Diosmin≥81.0%, Hesperidin≥8.0%		

ITEM	SPECIFICATION	RESULT
Appearance	Greyish-yellow or light yellow, hygroscopic powder	Complies
Solubility	Practically insoluble in water, soluble in dimethyl sulfoxide, practically insoluble in ethanol (96%), it dissolves in dilute solution of alkali hydroxides	Complies
Particle Size	NLT 95% pass 80 mesh	Complies
Water	≤6.0%	3.65%
Sulphated Ash	≤0.2%	0.17%
Heavy Metals	≤20ppm	Complies
Iodine Content	≤0.1%	<0.1%
Related Substances		
Impurity A(Acetoisovanillone)	≤0.5%	0.02%
Impurity C(Isorhoifolin)	≤3.0%	1.59%
Impurity D(6-iododiosmin)	≤0.6%	0.38%
Impurity E(Linarin)	≤3.0%	1.21%
Impurity F(Diosmetin)	≤2.0%	0.86%
Unspecified Impurities(each)	≤0.4%	0.36%
Total Impurities	≤6.0%	4.70%
Assay (Anhydrous substance, HPLC)	Diosmin≥81.0% Hesperidin≥8.0%	83.32% 9.54%
Residual Solvents		
Methanol	≤3000ppm	Undetected
Ethanol	≤5000ppm	Undetected
Pyridine	≤200ppm	86ppm
Total Plate Count	≤1000cfu/g	50cfu/g
Yeast & Mold	≤100cfu/g	<10cfu/g
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Conclusion	Comply with the specification.	
Storage	Preserve in tight containers, protected from strong light and high heat.	

Analyst:

Reviewed by:

Approved by: