

CERTIFICATE OF ANALYSIS

Product Name	Diosmin		
Code	BPBE-610-B	Botanical Source	Citrus Aurantium L.
Used Part	Immature fruit	Batch No.	H010761023B
Mfg. Date	July 2, 2023	Packing	25kg/Drum
Retest Date	July 1, 2027	Quantity	1000kg
Report Date	July 7, 2023	Specification	EP10.0
Analytical Results			
Items	Specifications		Results
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
Identification	A) IR: Complies diosmin CRS B) HPLC: Complies to the reference solution		Complies
Iodine	≤0.1%		Complies
Related Substances			
Impurity A(Acetoisovanillone)	≤0.5%		0.05%
Impurity B(Hesperidin)	≤4.0%		0.65%
Impurity C(Isorhoifolin)	≤3.0%		2.72%
Impurity D(6-iododiosmin)	≤0.6%		0.16%
Impurity E (Linarin)	≤3.0%		1.93%
Impurity F(Diosmetin)	≤2.0%		0.72%
Unspecified Impurities(each)	≤0.4%		0.26%
Total Impurities	≤8.5%		6.50%
Heavy Metals	≤20ppm		Complies
Water	≤6.0%		4.65%
Sulphated Ash	≤0.2%		0.08%
Particle Size	NLT95% pass 80 mesh		Complies
Assay(HPLC, Anhydrous substance)	90.0%~102.0%		90.65%
Residual Solvents			
Pyridine	≤200ppm		139ppm
Total Plate Count	≤1000cfu/g		<10cfu/g
Yeast & Mold	≤100cfu/g		<10cfu/g
E.Coli	Negative/g		Negative/g
Salmonella	Negative/25g		Negative/25g
Conclusion	Comply with EP10.0.		
Storage	Preserve in tight containers, protected from strong light and high heat.		

Inspector: Carlifor Wu

Verifier: Jack He