

No.: BPBE-601-A-00/3.0

CERTIFICATE OF ANALYSIS

Product Name	Quercetin Dihydrate	Code	BPBE-601-A
Botanical Source	Sophora Japonica L.	Used Part	Flower Buds
Batch No.	H010560119A	Mfg. Date	May 09, 2019
Packing	25kg/Drum	Retest Date	May 08, 2021
Quantity	1000kg	Report Date	May 14, 2019
Specification	95%(HPLC)		

ITEM	SPECIFICATION	RESULT
Appearance	Yellow powder	Complies
Identification	IR: Positive	Complies
Melting Point	305°C -315°C	312°C
Particle Size	NLT 95% pass 80 mesh	Complies
Reducing Sugars	Should be not detected	Undetected
Sulfate	≤1000ppm	Complies
Chloride	≤1000ppm	Complies
Bulk Density	≥0.10gm/cc	0.16gm/cc
Water	≤12.0%	9.86%
Sulphated Ash	≤0.5%	0.08%
Heavy Metals	≤10ppm	<10ppm
-As	≤1ppm	Complies
-Pb	≤3ppm	Complies
-Cd	≤1ppm	Complies
-Hg	≤0.1ppm	Complies
Assay(HPLC)	≥95.0%	95.64%
Total Plate Count	≤1000cfu/g	<10cfu/g
-Yeast&Mold	≤100cfu/g	<10cfu/g
-E.Coli	Negative	Negative
-Salmonella	Negative	Negative
-Coliforms	≤10cfu/g	<10cfu/g
Conclusion	Comply with the specification.	
Storage	Preserve in tight containers, protected from strong light and high heat.	

Analyst:

Reviewed by:

Approved by: