西安首禾生物科技有限公司

Xi'an Shouherb Biotech Co.,Ltd.

Certificate of Analysis
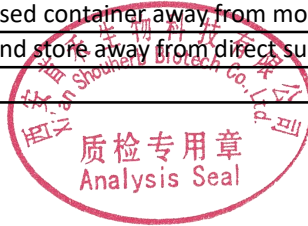
Manufacture Date：Jun,25, 2023

Test Date：Jun,27, 2023

Report Date：Jun,29, 2023

Product Name	Tea Saponin 90%	Batch Number	SHSW230625
Latin Name	Camellia oleifera Abel	Quantity	500kg
Plant Part Used	Seed	Country of Origin	P. R. China
Herbal Strength	Approx. 20 parts of herb to 1 parts of extract	Type of extraction	Ethanol/water
		Active Ingredient Markers	Saponin

Analysis Items	Specifications	Results	Test Methods
Identification	Positive	Conforms	TLC
Appearance	Fine Powder	Conforms	Visual
Color	Light brown yellow	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Mesh Size	NLT 95% through 80 mesh	Conforms	80 Mesh Screen
Solubility	Good soluble in hydro-alcoholic solution and water	Conforms	Visual
Assay	NLT 98% saponin	98.82%	UV-VIS
Moisture Content	5.0%	2.86%	5g / 105℃ / 2hrs
Ash Content	5.0%	2.21%	2g / 525℃ / 3hrs
Extract Excipient	None	Conforms	/
Heavy Metals	10ppm	Conforms	Atomic Absorption
Arsenic (As)	2ppm	Conforms	Atomic Absorption
Cadmium(Cd)	1ppm	Conforms	Atomic Absorption
Lead (Pb)	2ppm	Conforms	Atomic Absorption
Chlorate (Cl)	1ppm	Conforms	Atomic Absorption
Pesticides Residues	0.1ppm	Conforms	Gas Chromatography
Aflatoxins	0.2ppb	Absent	HPLC
Sterilization Method	High Temperature & High Pressure for short time (5" ~ 10")		
Total Plate Count	1000cfu/g	Conforms	AOAC
Total Yeast & Mold	100cfu/g	Conforms	AOAC
E. Coli	Negative	Conforms	AOAC
Salmonella	Negative	Conforms	AOAC
Staphylococcus	Negative	Conforms	AOAC
Packing and Storage	Pack in paper-drums and two plastic-bags inside. Net Weight: 25kg/drum. Store in a well-closed container away from moisture.		
Shelf Life	2 years if sealed and store away from direct sun light.		
Expiration Date	Jun,25, 2025		