

# Specification Sheet

## *Rutin NF11*

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### General Information

Product Name	Sophora flower bud Extract Powder
CAS#	NA
Origin Country	China
Raw Material Type	Botanical Extract Powder
Package	25kg/Drum (N.W.)

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### Regulatory Compliance

Non-GMO	Compliant
Non-Irradiation	Compliant
Non-Ethylene Oxide	Compliant
Non-BSE/TSE	Compliant
Components	Sophora flower bud Extract Powder
Allergens	None
Others	Free of gluten, animal derivatives, artificial flavors, sugar, milk

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### Source Material

Genus & Species	<i>Sophora japonica L.</i>
Plant Part	Flower bud
Common Name	Rutin NF11, Rutin, Sophora flower bud Extract

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### Process Information

Production Method	Extraction
Extract Solvent / Solvent Ratio	Ethanol & Water
Residual Solvent	None

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### Other Information

Shelf Life	24 months
Storage Conditions	Room temperature, sheltered from light, moisture and oxygen.
Notes	<ol style="list-style-type: none"><li>1. It is a natural product, there is likely to be minor color variation from batch to batch of the product because of the geographical and seasonal variations of the raw material.</li><li>2. Natural products can be hygroscopic and tend to agglomerate depending on the nature of the product. It is suggested to sift before use.</li><li>3. It's important that you carefully check the above details against your own label claim.</li><li>4. Heavy metals are tested outside by ICP-MS as per AOAC Standard.</li></ol>

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Physical Analysis	Specification	Method
Identification	Positive	HPTLC
Assay	NLT 95% Rutin	UV
Appearance	Yellow Fine Powder	Visual
Odor	Characteristic	Organoleptic
Taste	Characteristic	Olfactory
Particle Size	NLT 95% Pass 80mesh	USP <786>
Moisture	NMT 5%	USP <731>
Loss on Drying	7.5%~9.5%	5g/105°C/2hrs
Sulphate ash	NMT 0.1%	2g/800°C/4hrs

Heavy Metals	Specification	Method
Lead (Pb)	NMT 3.0 ppm	AOAC 993.14
Arsenic (As)	NMT 1.0 ppm	AOAC 993.14
Mercury (Hg)	NMT 0.1ppm	AOAC 993.14
Cadmium (Cd)	NMT 1.0 ppm	AOAC 993.14
Cesium (Cs)	NMT 1.0 ppm	AOAC 993.14

Microbiologicals	Specification	Method
Total Plate Count	NMT 1,000 cfu/g	USP <2021>
Yeast and Mold	NMT 100 cfu/g	USP <2021>
E. Coli	Negative/10g	USP <2021>
Salmonella	Negative/10g	USP <2021>
Staphylococcus	Negative/10g	USP <2021>

