

## Certificate of Analysis

Product Name: **Rutin (Sophora Japonica Extract)**  
 Origin: ***Sophora japonica L***  
 Herbal Strength: **Appr. 20:1**  
 Plant Part Used: **Dry Flower Bud**  
 Extraction Solvent(s): ***Water & Ethanol***  
 Country of Origin: **P. R. China**  
 Batch Number: **EP23101418**  
 Manufacture Date: **October 14, 2023**  
 Retest Date: **October 31, 2027**

### Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Rutin (on dried basis) (UV-Vis)	95-101.5%	95.36%
Rutin (Identification) (HPLC)	Positive	Conforms/Positive Sample peak retention time compares positively to standard peak retention times within $\pm 10\%$
Loss on Drying (USP<731>)	$\leq 10\%$	1.98%
Arsenic	$\leq 3.0$ ppm	<0.0100 ppm
Cadmium	$\leq 1.0$ ppm	0.00888 ppm
Lead	$\leq 2.0$ ppm	0.0621 ppm
Mercury	$\leq 1.0$ ppm	<0.00500 ppm
Aerobic Plate Count	$\leq 10,000$ cfu/g	<20 cfu/g
Coliforms	$\leq 100$ cfu/g	<20 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	$\leq 1000$ cfu/g	<20 cfu/g
<i>Salmonella</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Light yellow to green powder	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
Identification	Positive	Conforms
Ashes	$\leq 5\%$	0.9%
Bulk Density	0.20~0.60 g/ml	0.25 g/ml
Particle Size	$\geq 95\%$ Thru #60 Mesh	Conforms
Residual Solvents	Complies	Conforms
Conclusion (Manufacturer):	This product conforms to enterprise standards	

**Additional Information:** Non-Allergen || BSE/TSE Free || Gluten-Free || Vegan/ Vegetarian  
**Composition:** Sophora Japonica Extract 100%  
**GMO Statement** Non-GMO  
**Storage Conditions:** **Keep in sealed container under 25°C.**  
**Keep away from strong light, heat and moisture.**

*Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.*

*Verified By: Candace Gibson / Nicole Rammage*

( This document was produced electronically and is valid without signature. )