



# INDOFINE Chemical Company, Inc.

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## Certificate Of Analysis

Product Name: Quercetin Anhydrous Botanical source: Sophorae Japonica Report Date: August 11, 2012 Expiry Date: August 05, 2014 Product number: P-102A		Batch No.: 1209241 Part of plant used: Flower Manufacture Date: August 06, 2012 Batch Quantity: 43kg CAS#: 117-39-5	
TEST	SPECIFICATION I	RESULTS	Test Method
Appearance	Yellow powder	Complies	Visual
Identification	Must positive	Positive	Infrared Absorption
Melting point	305°C—315°C	311°C	Melting point Apparatus
Particle size	95% pass through Sieve#80 mesh	Complies	US Screen
Reducing sugars	Not be detected	Not detected	Chemical reaction
Sulfate	≤1000ppm	<1000ppm	AJ192
Chloride	≤1000ppm	<1000ppm	AJ192
Bulk density	≥0.18gm/cc	0.20gm/cc	CP2010
Tapped Density	≥0.30gm/cc	0.38gm/cc	CP2010
Heavy metals	≤10ppm	<10ppm	Visual Colorimetry
-Arsenic	≤1ppm	<1ppm	AAS
-Mercury	≤0.1ppm	<0.1ppm	AAS
-Cadmium	≤1ppm	<1ppm	AAS
-Lead	≤3ppm	<3ppm	AAS
Ash	≤0.30%	0.15%	CP2010
Loss on drying	≤4.0%	2.54%	120°C
Assay by UV	≥95.0%	95.46%	HPLC
Microbiological test:			
Total plate count	≤1000cfu/g	100 cfu/g	AOAC966.23
Mildew & Yeast	≤100cfu/g	20 cfu/g	FDABAM8 <sup>th</sup>
E.Coli	Negative	Negative	FDABAM8 <sup>th</sup>
Salmonella	Negative	Negative	FDABAM8 <sup>th</sup>
Coliforms	≤10cfu/g	<10cfu/g	AOAC911.14
Residual Solvent	Meets the requirements of USP.		
Pesticide Screen	Meets the Requirements of USP.		
GMO/BSE Status	Not genetically modified organism. Free of BSE.		
Storage	Store in tight containers, in a cool dry area.		