



LIFTMODE  
47 W. Polk St. STE 100-241  
Chicago, IL 60605

liftmode@liftmode.com  
www.liftmode.com

## CERTIFICATE OF ANALYSIS

### Quercetin

(2-(3,4-dihydroxyphenyl)-3,5,7-trihydroxychromen-4-one)

Material Lot #:	1607002	Manufacture Date:	07/07/2016
Country of Origin:	China	Expiration Date:	07/06/2018
Botanical Source:	<i>Styphnolobium japonicum</i>		

Analysis	Claim	Result
Quercetin	$\geq 95.0\%$	95.61%

Test	Specification	Result
Appearance	Yellow Powder	Complies
Melting Point	305-315°C	312°C
Loss on Drying	<12.0%	10.00%
Residue on Ignition	$\leq 0.30\%$	0.08%
Sulfate	$\leq 1000$ PPM	Complies
Chloride	$\leq 1000$ PPM	Complies
Heavy Metals	$\leq 10$ ppm	<10 ppm
Arsenic	$\leq 1.0$ ppm	< 1 ppm
Mercury	$\leq 0.1$ ppm	<0.1 ppm
Lead	$\leq 3.0$ ppm	$\leq 3$ ppm
Cadmium	$\leq 1.0$ ppm	$\leq 1$ ppm
Total Plate Count	$\leq 1000$ CFU/g	<10 CFU/g
Yeast & Mold	$\leq 100$ CFU/g	<10 CFU/g
Coliforms	$\leq 10$ CFU/g	<10 CFU/g
E.Coli	Negative	Complies
Salmonella	Negative	Complies
Staphylococcus	Negative	Complies
Pseudomonas aeruginosa	Negative	Complies

Quercetin should be stored at or below room temperature in a tightly sealed durable container. Quercetin should be protected from excess heat, direct sunlight, excess humidity and moisture. Quercetin has a stable shelf life of 2 years from the date of manufacture when properly stored.

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### Quercetin

(2-(3,4-dihydroxyphenyl)-3,5,7-trihydroxychromen-4-one)

Product Name	Quercetin	Product Lot Number	1607002
Report Date	11/18/16	Laboratory Number	7924

Test	Method	Results
Quercetin	CA-093 (HPLC-UV)	100.0%
Lead	ICP-MS USP <730>	0.017 ppm
Arsenic	ICP-MS USP <730>	0.086 ppm
Cadmium	ICP-MS USP <730>	0.002 ppm
Mercury	ICP-MS USP <730>	0.004 ppm
Total Plate Count	USP <2021>	<10 CFU / g
Coliform Count	AOAC 966.24	<10 MPN / g
E. coli Count	USP <2022>	Absent
Salmonella	USP <2022>	Absent / 10 g
Yeast and Mold	USP <2021>	<10 / <10 CFU / g

Connor Holt  
QA Auditor

11/18/2016  
Date