



四川青益纯医药科技有限公司  
SICHUAN BENEPURE PHARMACEUTICAL CO., LTD.

Tel: +86 28 8679 9990  
Email: [info@benepure.com](mailto:info@benepure.com)

Fax: +86 28 8679 9924  
Website: [www.benepure.com](http://www.benepure.com)

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Diosmin+Hesperidin(90/10)	<b>Code</b>	BPBE-612-B
<b>Botanical Source</b>	Citrus Aurantium L.	<b>Used Part</b>	Immature fruit
<b>Batch No.</b>	H030661217B	<b>Mfg. Date</b>	Jun. 14, 2017
<b>Packing</b>	25kg/Drum	<b>Retest Date</b>	Jun. 13, 2019
<b>Quantity</b>	1000kg	<b>Report Date</b>	Jun. 22, 2017
<b>Specification</b>	Diosmin>85.0%, Micronized		

ITEM	SPECIFICATION	RESULT
<b>Assay(HPLC):</b>		
Diosmin	> 85.0%	86.32%
Hesperidin	> 8.0%	9.14%
<b>Appearance</b>	Greyish-yellow or light yellow, hygroscopic powder	Complies
<b>Identification</b>	A) IR:Compliesdiosmin CRS B) HPLC:Complies to the test solution	Complies
<b>Solubility</b>	Practically insoluble in water, soluble in dimethyl sulfoxide, practically insoluble in ethanol (96%), it dissolves in dilute solution of alkali hydroxides	Complies
<b>Particle Size</b>	95% below 5 microns	Complies
<b>Sulphated Ash</b>	≤0.2%	0.12%
<b>Water</b>	≤6.0%	3.45%
<b>Heavy Metals</b>	≤20ppm	Complies
<b>Iodine Content</b>	≤0.1%	Complies
<b>Related Substances</b>		
Impurity A(Acetoisovanillone)	≤1.0%	0.04%
Impurity C(Isorhoifolin)	≤3.0%	1.90%
Impurity E (Linarin)	≤3.0%	1.66%
Impurity F(Diosmitin)	≤3.0%	1.30%
Unspecified Impurity(each)	≤1.0%	0.27%
Other Impurities and Impurity A	≤1.0%	0.31%

*Benepure—Natural Ingredients Specialist.*

Add.: 99# Jirui 3<sup>rd</sup> Road, High Tech District, Chengdu, Sichuan Prov., China 610095  
地址: 四川省成都市高新区吉瑞三路 99 号, 邮编 610095



®

四川青益纯医药科技有限公司  
SICHUAN BENEPURE PHARMACEUTICAL CO., LTD.

Tel: +86 28 8679 9990  
Email: [info@benepure.com](mailto:info@benepure.com)

Fax: +86 28 8679 9924  
Website: [www.benepure.com](http://www.benepure.com)

Total Impurities	≤6.0%	5.43%
<b>Residual Solvents</b>		
Methanol	≤3000ppm	Complies
Ethanol	≤5000ppm	Complies
Pyridine	≤200ppm	Complies
<b>Total Plate Count</b>	≤1000cfu/g	Complies
-Yeast & Mold	≤100cfu/g	Complies
-E.Coli	Negative	Negative
-Salmonella	Negative	Negative
<b>Conclusion</b>	Conforms to the specification	
<b>Storage</b>	Preserve in tight containers, protected from strong light and high heat. Store in dry cool place.	

Analyst:

QC Manager:

QA:

*Benepure—Natural Ingredients Specialist.*

Add.: 99# Jirui 3<sup>rd</sup> Road, High Tech District, Chengdu, Sichuan Prov., China 610095  
地址: 四川省成都市高新区吉瑞三路 99 号, 邮编 610095