

## Lampiran 1. Identitas Purwoceng





synergizing nature

EXTRACTION PLANT  
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**Certificate of Analysis**

Number : 191/QC/PP/JVP/14

Product : Purwoceng VDE 4:1  
Botanical Name : *Pimpinella alpina*  
Part of Used : Rhizome  
Product Number : 123J58N  
Production Number : JP 222.01.04  
Extract Grade : Nutraceutical  
Batch Number : 021418  
Country of Origin : Indonesia  
Country Shipped From : Indonesia  
Manufacturing Date : February 2014  
Expired Date : February 2016  
Extraction Solvent : Water

Parameter	Specification	Result	Method
Physical Description	Light brown to dark brown powder with characteristic odor and bitter taste	Brown powder with characteristic odor and bitter taste	Organoleptic
Loss on Drying	NMT 6.0%	3.19 %	Moisture balance
Particle size	NLT 80% through 60 Mesh	Conform	Sieves machine
Loose Bulk Density	0.50 g/ml – 0.80 g/ml	0.53 g/ml	FI IV
Tapped Bulk Density	0.60 g/ml – 1.00 g/ml	0.75 g/ml	FI IV
Ash	NMT 10.0%	4.93 %	FI IV
<b>Solubility</b>			
- Water	NLT 70.0%	99.12 %	JVP
- Ethanol	NMT 50.0%	23.91 %	JVP
<b>Heavy Metals</b>			
- Lead	NMT 2 ppm-WHO Specification	0.0001 ppm	SNI19 2896-1992
- Arsenic	NMT 2 ppm-WHO Specification	Not Detected	SNI19 2896-1992
- Mercury	NMT 1 ppm-WHO Specification	Not Detected	SNI19 2896-1992
- Cadmium	NMT 0.3 ppm-WHO Specification	Not Detected	SNI19 2896-1992
<b>Microbial Limits</b>			
- Total Plate Count	NMT 3.0x10 <sup>3</sup> CFU/g	6.5x10 <sup>1</sup> CFU/g	FI IV
- Yeast and Mold	NMT 10 <sup>2</sup> CFU/g	< 10 <sup>1</sup> CFU/g	FI IV
- <i>E. coli</i>	Absent	Absent	FI IV
- <i>Salmonella</i>	Absent	Absent	FI IV
- <i>Staphylococcus</i>	Absent	Absent	FI IV
- <i>Pseudomonas</i>	Absent	Absent	FI IV
<b>Remarks: Complies with the specification</b>			
Checked by		Approved by	
Name	Wiwin	Name	Ulfa
Date	February 24, 2014	Date	February 24, 2014
Designation	QC Supervisor	Designation	QC Manager

COLOUR AND RESULT MAY VARY FROM BATCH TO BATCH



STAR-K KOSHER CERTIFIED



GMP Registered