

**BulkActives**

3F., No.288, Sinfong St., Jhongjheng District, Keelung City 20251, Taiwan. Phone number: (+886) 961137419

**CERTIFICATE OF ANALYSIS**

产品名称 (**Product Name**): 松树皮提取物 (Pine bark P.E.)  
植物名称 (**Botanical Name**): *Pinus massoniana* Lamb  
批 号 (**Batch Number**): 20111011 检验日期 (**Analysis Date**): Oct 11, 2011  
生产日期 (**Manufacture Date**): Oct 11, 2010 失效日期 (**Expiry Date**): Oct 11, 2013  
批 量 (**Batch Quantity**): 500Kg

检测项目 Items	标准 Standards	检测结果 Results
性状 Description	红棕色粉末 Red Brown Powder	符合规定 Qualified
含量 Assay (UV)	Proanthocyanidin≥95%	95.21%
味道 Taste	Characteristic 特殊味道	符合规定 Qualified
气味 Odor	Characteristic 特殊气味	符合规定 Qualified
粒径 Mesh Size	80 目 100% pass 80mesh	符合规定 Qualified
灰份 Ash Content	≤5.0%	3.11%
干燥失重 Loss on Drying	≤5.0%	3.25%
重金属 Heavy Metal	≤10ppm	符合规定 Qualified
铅 (Pb)	≤2ppm	符合规定 Qualified
砷 (As)	≤2ppm	符合规定 Qualified
细菌总数 Total Plate Count	≤1000cfu/g	符合规定 Qualified
霉菌及酵母菌 Yeast&Mold	≤100cfu/g	符合规定 Qualified
大肠杆菌 E.coil	无 Negative	无 Negative
沙门氏菌 Salmonella	无 Negative	无 Negative

**USABLE LIFE AND STORAGE**

Store in a cool and dry place. Keep away from strong light and heat. Store in tightly closed containers.  
When properly stored, this product has a usable life of 24 months from the date of production.

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**LIMITATIONS**

This product is neither tested nor represented suitable for medical or pharmaceutical uses.

**LIMITED WARRANTY – PLEASE READ CAREFULLY**

The information contained herein is offered in good faith based on BulkActives' research and information provided by manufacturers and distributors, and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customers' tests to insure that BulkActives' products are fully satisfactory for your specific applications. Our warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.