

1837
2017
YEARSHELLENIC REPUBLIC
National and Kapodistrian
University of AthensDate: 24th May 2017**CERTIFICATE OF ANALYSIS**

Product	Pure Symmetry	
Herbal content	Mint (<i>Mentha piperita</i>)	
	Carob (<i>Ceratonia siliqua</i>)	
	Lemon Balm (<i>Melissa officinalis</i>)	
	Sage (<i>Salvia spp.</i>)	
Recommended dose	2 g	
Method		Results
Extract preparation	Hot water extraction	Yield of extraction: 36.7%
Quality control – Chemical analysis	High performance thin layer chromatography (HPTLC)	Polyphenols, Flavonoids
	Total Phenolic Content (Folin Ciocalcu's method)	75 mg GA/dose [gallic acid equivalent (mg) / dose (2 g dry material)]
	Total Flavonoid Content (Aluminium chloride colorimetric method)	14.8 mg Quercetin/dose [quercetin equivalent (mg) / dose (2 g dry material)]
Total Antioxidant Capacity	DPPH scavenging colorimetric method	200 ug extract/ml: 89.7% inhibition of DPPH free radical
		100 ug extract/ml: 63.1% inhibition of DPPH free radical
Comments	PURE SYMMETRY is characterized by high phenolic content and strong antioxidant capacity that is correlated with the phenols and flavonoids of mint and the rosmarinic acid contained in sage.	

Validated by:

Dr. N. Fokialakis

