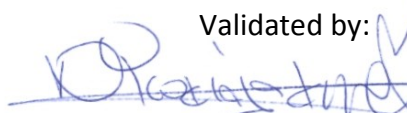


1837
2017
YEARSHELLENIC REPUBLIC
National and Kapodistrian
University of AthensDate: 24th May 2017**CERTIFICATE OF ANALYSIS**

Product	Pure Peace	
Herbal content	Tilio (<i>Tilia tomentosa</i>)	
	Lavender (<i>Lavandula angustifolia</i>)	
	Lemon balm (<i>Melissa officinalis</i>)	
	Marjoram (<i>Origanum majorana</i>)	
	Chamomille (<i>Matricaria chamomilla</i>)	
Recommended dose	1 g	
	Method	Results
Extract preparation	Hot water extraction	Yield of extraction: 22.4%
Quality control – Chemical analysis	High performance thin layer chromatography (HPTLC)	Polyphenols, Terpenoids
	Total Phenolic Content (Folin Ciocaleu's method)	27.5 mg GA/dose [gallic acid equivalent (mg) / dose (1 g dry material)]
	Total Flavonoid Content (Aluminium chloride colorimetric method)	4.8 mg Quercetin/dose [quercetin equivalent (mg) / dose (1 g dry material)]
Total Antioxidant Capacity	DPPH scavenging colorimetric method	200 ug extract/ml: 92.2% inhibition of DPPH free radical
		100 ug extract/ml: 79.6% inhibition of DPPH free radical
Comments	PURE PEACE has significant antioxidant capacity that is correlated with the containing secondary metabolites of the herbs like rosmarinic acid and other polyphenols of marjoram and terpenoids of chamomille.	

Validated by:


Dr. N. Fokialakis
