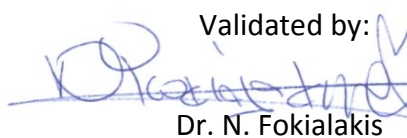


1837
2017
YEARSHELLENIC REPUBLIC
National and Kapodistrian
University of AthensDate: 24th May 2017**CERTIFICATE OF ANALYSIS**

Product	Pure Youth	
Herbal content	Wild rose (<i>Rosa canina</i>)	
	Mountain tea (<i>Sideritis spp.</i>)	
	Rosemary (<i>Rosmarinus officinalis</i>)	
	Rockrose (<i>Cistus spp.</i>)	
Dosage recommended	2 g	
	Method	Results
Extract preparation	Hot water extraction	Yield of extraction: 30.2%
Quality control – Chemical analysis	High performance thin layer chromatography (HPTLC)	Polyphenols, Flavonoids, Tannins
	Total Phenolic Content (Folin Ciocaleu's method)	60.7 mg GA/dose [gallic acid equivalent (mg) / dose (2 g dry material)]
	Total Flavonoid Content (Aluminium chloride colorimetric method)	10.3 mg Quercetin/dose [quercetin equivalent (mg) / dose (2 g dry material)]
Total Antioxidant Capacity	DPPH scavenging colorimetric method	200 ug extract/ml: 89.1% inhibition of DPPH free radical
		100 ug extract/ml: 61.6% inhibition of DPPH free radical
Comments	PURE YOUTH has high phenolic content and significant antioxidant capacity that is correlated with the contained polyphenols of rockrose, as well as tannins and flavonoids of mountain tea.	

Validated by:



Dr. N. Fokialakis
