



Certificate of Analysis

**POMxm POWDER – SPRAY DRIED POMEGRANATE ANTIOXIDANT EXTRACT**

ORACLE # 108000000013  
LOT# 13-XMP-164-F  
PRODUCTION DATE: 6/18/2013  
EXPIRATION DATE: 6/18/2015

**PHYSICAL & ANALYTICAL CHARACTERISTICS:**

TEST	SPECIFICATION	RESULT
Color	Light Reddish Brown	Light Reddish Brown
Bulk Density (g/cc)	0.25 – 0.40	0.36
Tap Density (g/cc)	0.40 – 0.55	0.51
Particle Size	≥ 95% through 40 mesh	100.00
	≥ 80% through 100 mesh	99.60

**CHEMICAL CHARACTERISTICS:**

TEST	SPECIFICATION	RESULT
Moisture (%)	≤ 7.0	6.98
Water Activity (A <sub>w</sub> )	≤ 0.30	0.22
pH	2.90 – 3.40	3.12
Purity – Dry Weight Basis (%)		
Total Polyphenols (TP), GAE	TP ≥ 60.0%	62.96
Total Pomegranate Polyphenols (TPP)	TPP ≥ 85.0%	88.40

**MICROBIOLOGICAL STANDARDS:**

TEST	SPECIFICATION	RESULT
Aerobic Plate Count (cfu/g)	≤ 1000	< 10
Coliform (cfu/g)	≤ 10	< 3
Yeast (cfu/g)	≤ 100	< 10
Mold (cfu/g)	≤ 100	< 10
<i>Salmonella</i>	Negative	Negative

*Amanda Loehrer*

Technical Services Supervisor

June 5, 2014

Date