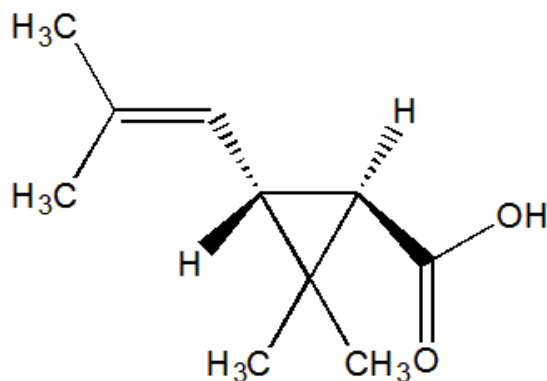


## Certificate of Analysis



<b>PRODUCT</b>	Chrysanthemic Acid
<b>BATCH #</b>	038-003-A
<b>ASSAY METHOD</b>	HPLC, <sup>1</sup> H-NMR
<b>REPORT DATE</b>	2017-07-11
<b>CHEMICAL NAME</b>	2,2-Dimethyl-3-(2-methylprop-1-enyl) cyclopropane-1-carboxylic acid
<b>Other Names</b>	
<b>CHEMICAL FORMULA</b>	C <sub>10</sub> H <sub>16</sub> O <sub>2</sub>
<b>MOLECULAR WEIGHT</b>	168.23
<b>CAS REG. #</b>	4638-92-0
<b>STORAGE</b>	Store at: -20C in the dark, Preferred: -80C in the dark.
<b>EXPIRATION DATE</b>	2019-07-11

**NOTES**

**Analytical Data**

TEST	METHOD	SPECIFICATION	RESULT
HPLC	@240 nm	>97%	99.18%
<sup>1</sup> H-NMR		Conforms	Conforms
Residual Solvents		<0.2%	
Appearance	NA	NA	Clear liquid @ 18C
Adjusted Purity	HPLC purity x [100%-0% residual solvent] = 99.18 x 1 = 99.18%		
Mass	106 mg		

Signed: Jan Glinski, Ph.D.  
 Planta Analytica LLC  
 July 11, 2017

