



## CERTIFICATE of ANALYSIS

**PRODUCT:** **Kainic Acid,**  
[2S-(2 $\alpha$ ,3 $\beta$ ,4 $\beta$ )]-2-Carboxy-4-(1-methylethenyl)-3-pyrrolidineacetic acid  
C<sub>10</sub>H<sub>15</sub>NO<sub>4</sub>, M.W. 213.24

**PRODUCT NUMBER:** K-1012

**LOT NUMBER:** A10042

**APPEARANCE:** Off-white crystalline powder

**SOLUBILITY:** Soluble in water or dilute aqueous base

**PURITY:** 99% by HPLC

**NMR:** Spectrum confirms

**OPTICAL DATA:**  $[\alpha]_D^{20} \Rightarrow -15.6^\circ$  (c = 0.5, H<sub>2</sub>O)

**ELEMENTAL ANALYSIS\*:** Theoretical: C = 56.33, H = 7.09, N = 6.57  
Actual: C = 52.49, H = 7.38, N = 5.50  
*\*Theoretical is with 1 mol H<sub>2</sub>O.*

**STORAGE & HANDLING:** Storage at +4°C. **PROTECT FROM LIGHT!**

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified:

A handwritten signature in blue ink, appearing to be 'A. G. Scientific'.