

## Certificate of Analysis

### Description of the Material:

- (a) Chemical Name: AqT®-Trolox
- (b) Appearance: White to off-white solid.
- (c) Amount: 5 mg or 25 mg of **Trolox Equivalent** per vial.
- (d) Reconstitution: Defrost, then centrifuge to make sure no solid is in the cap before opening.

### SKU Code and Lot Number:

- (a) SKU Code: CM81000-5MG and CM81000-25MG
- (b) Lot Number: NB0361041

### Assay, Specification and Result:

Assay	Method or SOP #	Specification	Results
Purity	HPLC Analysis C1-1101	>95%	>99%
Trolox Content per mg of weighed solid*	ABTS Assay S639	0.300-0.400 mg/mg of Trolox	0.357

**\*Important Consideration:** AqT-Trolox has a different molecular weight than Trolox. This lot is filled to match Trolox equivalents by the Trolox ABTS assay. If you need to weigh out AqT-Trolox, apply a conversion factor of **2.8 mg AqT-Trolox per 1 mg Trolox** for this lot. For example, if an assay protocol calls **for 1 mg of Trolox**, weigh out **2.8 mg of AqT-Trolox**. For this specific lot, 14 mg of AqT-Trolox is provided in the 5 mg tube, and 70 mg of AqT-Trolox is provided in the 25 mg tube.

**Intended use:** For research and development use only.

**Solubility:** Over 45 mg/mL in water.

**Hazard Information:** Refer to the SDS.

**Shelf life, Storage/Stability as Supplied:** The compound should be stored in the dark at -20 °C or -80 °C.

**Expiration Date:** 1 year after receiving.

### Quality Assurance Statement:

The product has been tested according to approved standard operating QC procedures. The information on this certificate has been reviewed by CellMosaic Inc. QC/QA team and accurately reflects the manufacturing and analysis data for the product lot specified above.

**Certified by:** 

**Certifying Officer:** Subhakar Dey