

CERTIFICATE OF ANALYSIS

Gracefruit Ltd

LOT NO. 102253

DATE: December 7, 2016

L/C Number:

PRODUCTION DATE: Oct 08, 2016

EXPIRATION DATE: Oct 08, 2018

THIS IS TO CERTIFY THAT "ZOCO" ZINC OXIDE GRADE 112USP/EP MEETS THE CURRENT SPECIFICATION AS PER USP 31 NF 26/EP AS WELL AS CURRENT REQUIREMENTS FOR BP 2011, EP 7.0 EDITION AND FCC EDITION (2010-2011)

CHEMICAL ANALYSIS:

CHARACTERISTIC	A very fine, amorphous, white or yellowish white powder free from gritty particles, practically insoluble in water and in alcohol. It dissolves in dilute mineral acids.	Passes - white
IDENTIFICATION:	a) When strongly heated, it assumes a yellow color That disappears on cooling.	Passes
	b) A solution of it in slight excess of 3 N hydrochloric acid responds to the tests for zinc.	Passes
ALKALINITY:	Max. 0.30 ml 0.1 N HCL	Passes
LOSS ON IGNITION	Max. 1.0 % weight loss	0.045 %
CARBONATE AND COLOR OF SOLUTION	No effervescence occurs and the resulting solution is clear and colorless.	Passes – Not Detectable
IRON & OTHER HEAVY METALS	a) White ppt with Potassium Ferrocyanide TS b) White ppt with Sodium Sulfide TS	Passes Passes
ARSENIC	Max. 1 ppm	Passes
LEAD	The addition of 5 drops of potassium chromate TS produces no turbidity or precipitate	0.00072 % Passes
CADMIUM		0.00009 %
ASSAY	99.0 % to 100.5 % zinc oxide.	99.9500 %