



## Shay and Company

Supplier of Wholesale Oils, Butters, Waxes, Candle Supplies  
and Essential Oils

### Zinc Oxide Powder USP

Lot# 2029

Country of Origin: Canada

Manufacture Date: 01/2022

Expiration Date: 01/2025

**Ingredient Name (INCI):** Zinc Oxide

**Composition:** 100% Zinc Oxide

**Packaging:** Bags

**Description:** Fine, white, odorless powder; clear from gritty particles.

**Applications:** Skincare, Soap Manufacturing

**CAS no:** 1314-13-2

**Certificates:** Kosher, non-gmo

**Method of Extraction:** Metallic zinc is vaporized and then oxidized in an oxidation chamber

**Mesh Size:** Non-nano, 325 mesh at 0.03%

**Water and oil soluble**

**Grade:** CR4 USP-2

**Plant Part Used:** Mineral

**Vegan:** Yes

**Gluten Free:**

**Allergen:** None known

**Food Grade:** Yes

Specification	Min	Max	Results
Identification A+B (USP)			Conforms
Alkalinity (UPS)			Conforms
Carbonate and Color (USP)			Conforms
Iron and other Heavy Metals (USP)			Conforms
Lead (USP)			Conforms
Arsenic (USP)	0	6	<6ppm
Loss of Ignition (USP)	0	1	0.02
Assay (EP*)	99	100.5	100
Iron (PRL0019)	0	10	1.0ppm
Lead (ASTM D4075)	0	20	11.5ppm
Cadmium (ASTM D4075)	0	10	1.0ppm
Copper (ASTM D4075)	0	10	1.0ppm
Retained 325 Mesh (ASTM D4315)	0	0.02	0.003
Surface Area (USP)	3	9	4.4m/g

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Mean Particle Size (USP)	0.26	0.77	0.52um
Meets USP Sepc. For Residual Solvent			Conforms

Shelf life is guaranteed for three years from time of manufacture when stored in original, unopened container between 59° F to 86°F and protected from light. Shay and Company diligently sources and provides the highest quality ingredients, but it is the customer's responsibility to ensure the products purchase from Shay and Company meets their expectations. Any additional testing will be the responsibility of the customer.