

## Certificate of Analysis

Product Name: Zinc oxide (Nanopowder)  
Cat. No.: GN30201  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 1314-13-2  
Molecular Formula: ZnO  
Molecular Weight: 81.39  
Storage: Store at RT

### ANALYTICAL DATA

Parameter	Limit Values	Result
Average particle size:	40-60 (nm)	47.14000 nm
Specific Surface Area:	$\geq 10.8$ (m <sup>2</sup> /g)	11.30800 m <sup>2</sup> /g
Purity(Based On Trace Metals:	99.8-100 (%)	99.80190 %
Analysis) Total Metallic Impuritie:	0-2000 (ppm)	1981.00000 ppm
Zn(Complexometric titration):	79.1-81.5 (%)	79.11000 %
Appearance:	White powder	White powder

Purity: 99.8% metals basis, 50±10nm

Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA