

Glentworth Formulations  
 Unit 1A Junction 2 Industrial Estate  
 Demuth Way  
 Oldbury  
 B69 4LT  
 Phone 0121 729 6508  
 E-mail: enquiries@glentworthformulations.com  
 Website: www.glentworthformulations.com



**Product Specification Certificate**

<b>Item Name</b>	L-Selenomethionine ( Selenium ) Nutrition Grade (~0.5%Se)		
<b>Product Code</b>	028		
<b>Batch Number</b>	230217		
<b>Manufacture Date</b>	08/23		
<b>Parameters</b>			
<b>Description</b>	<b>Limits</b>	<b>Results</b>	<b>STP</b>
<b>Description</b>	White To Off White Crystalline Powder With Characteristic Odour *	Complies	Organoleptic Examination
<b>Identification</b>	To Comply By HPLC	Complies	SAP/QC/212
<b>Loss On Drying</b>	Not More Than 3.0% w/w	0.96%	USP <731>
<b>Loose Bulk Density</b>	Between 0.40 g/ml to 0.60 g/ml	0.56 g/ml	USP <616>
<b>Tapped Bulk Density</b>	Between 0.70 g/ml to 0.90g/ml	0.77 g/ml	USP <616>
<b>Particle Size - 80 Mesh</b>	Not Less Than 95%	98.85%	USP <786>
<b>Chemical Identification</b>			
<b>Selenium Content By ICP-OES</b>	NLT 5000ug/g And NMT 5500 ug/g	5300 ug/g	SAP/QC/212
<b>Assay (Content Of Dibasic Calcium Phosphate By Titration)</b>	NLT 98.5%	98.90%	SAP/QC/212
<b>Assay (Content Of L-Selenomethionine By HPLC)</b>	NLT 1.25%	1.28%	SAP/QC/212
<b>Others</b>			
<b>Total Heavy Metals</b>	Not More Than 10ppm	5.00ppm	USP M<231> METHOD II
- Lead	Not More than 2ppm	<0.25 ppm	USP M<231> METHOD II
- Arsenic	Not More than 1ppm	<0.25 ppm	USP M<231> METHOD II
- Cadmium	Not More Than 1ppm	<0.25 ppm	USP M<231> METHOD II
- Mercury	Not More Than 0.1 ppm	<0.10 ppm	USP M<231> METHOD II
<b>Residual Solvents</b>	Meet EU Directive 2009/32/EC	Complies	USP <467>
<b>Residual Pesticides</b>	Meet EU Directive 396/2005/EC	Complies	USP <561>
<b>Mycotoxins (B1)</b>	Not More Than 5 ug/kg	Complies	
<b>A Flatoxins (B1+B2+G1+G2)</b>	Not More Than 10 ug/kg	Complies	
<b>Benzo(a)Pyrene</b>	Not More Than 50 uk/kg	Complies	
<b>Microbial Parameters</b>			
<b>Total Plate Count</b>	Not More Than 5000cfu/g	180 cfu/g	USP <2021>
<b>Yeast &amp; Mould</b>	Not More Than 100cfu/g	<10 cfu/g	USP <2021>
<b>Bile Tolerant Gram-Negative Bacteria</b>	Not More Than 100cfu/g	Complies	USP <2021>
<b>Escherichia Coli</b>	Neagtive/10g	Absent	USP <2021>
<b>Salmonella</b>	Neagtive/10g	Absent	USP <2021>
<b>Staphylococcus Aureus</b>	Neagtive/10g	Absent	USP <2021>
<b>Pseudomonas Aeruginosa</b>	Neagtive/10g	Absent	USP <2021>
<b>Storage</b>	Store in a well closed container away from moisture		
<b>Shelf Life</b>	3 years if sealed and stored away from direct sun		
<b>Expiration Date</b>			

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### **Product Specification Certificate**

**Product: Selenium – L-selenium 0.5% - 200mcg**

**Tablet**

**Shape:** Round

**Size:** 8mm

**Weight:** <242 mg

**Active Ingredients:** L-Selenium 0.5% 200mcg (NRV 364%)

**Inactive:** MCC (Microcrystalline Cellulose) (bulking agent), Dicalcium Phosphate (bulking agent), Silicon Dioxide (anti-caking agent), Magnesium Stearate (anti-caking agent).

**Suitable for vegans and vegetarians.**

**Expiry Date:** 08/26

**INTERNAL USE ONLY:**

**Quality Control**

**Tablet Dissolution Tested:** Yes                      - **Recorded:** <45 MINUTES

**50-100<sup>th</sup> Tablet Hardness Tested:** Yes

**Average Tablet Weight:** 230mg                      -Tolerance: +/- 5%

**De-dusted / Polished:** Yes

**Loose/Bulk**

**Batch Number:** 230217

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**Glentworth Formulations Ltd. are not responsible for your label claims.**

**Storage:** We recommend that you keep this product under the following conditions:

- In a dry place
- away from light,
- at a temperature below 25 ° C.

Under these conditions, the Best Before Date is a minimum of 24 months. However, this shelf life can be modified according to storage conditions.

**Manufactured for:**

**Manufactured by Glentworth Formulations Ltd.**

**Date:** [Publish Date]

**Signed by Director:**

A handwritten signature in black ink, appearing to be the initials "AW" followed by a flourish.