



ISURA® – Setting the Industry Standards

Product authentication, purity, potency and processing & handling are the cornerstones of producing high-quality supplements. The meticulous methods behind each of these ensure a safe and effective formula is brought to market. All Australian companies in the health industry have to comply to regular standards set by the TGA, however it is the rare few that exceed these standards that truly stand out.

ISURA® is an independent, non-profit analytical testing and certification organisation. Its mandate is to provide certification services for complementary medicine stakeholders and serve as an analytical competence centre for the analysis of at all stages of processing and manufacturing with the following goals:

- Augmenting the safety of complementary medicines
- Ensuring label accuracy
- Increasing consumers' confidence in complementary medicines
- Providing education on complementary medicines
- Supporting research and development for improved test methodologies and analytical equipment

The standards for ISURA®'s certification services for complementary medicines are among the world's highest. They meet or exceed standards or recommendations for complementary medicines set by organisations such as:

- AOAC (Association of Official Analytical Chemists)
- CFIA (Canadian Food Inspection Agency)
- CRN (Council for Responsible Nutrition)
- EU (European Union)
- FDA (United States Food and Drug Administration)
- HC (Health Canada: Natural & Non-prescription Health Product Directorate)
- TGA (Therapeutic Goods of Administration of Australia)
- USP (United States Pharmacopeia)
- WHO (World Health Organization)

HOW DOES ISURA® COMPARE?

Certification/ Verification Organization*	Pesticides		Solvents (Residual)	Heavy Metals & Elemental Impurities	Plasticizers	Microbiologicals		Organic Pollutants (PCBs/ Dioxins)	Potency Confirmation	DNA Sequencing Authentication	GMOs	Antibiotics	Oxidation	Radiation	Hormones
	GLYPHOSATE	VARIOUS				AFLATOXINS	VARIOUS						MARINE OILS		
ISURA	•	• (700+)	• (54)	• (21)	• (9)	• (7)	• (7)	• (200+)	•	• (60)	• (19) detection limit: 0.1%	• (varies)	•	•	• (25)
NSF**	•	• (200+)	• (50+)	• (20+)	•	• (7)	• (6)	•	•	•	• detection limit: 0.8%	•			
USP Verified		• (100+)	• (50+)	• (15)		• (4)	•		•	•			•		
The Clean Label Project		• (60+)	•	• (6)	• (8)	• (5)						• (2)			
USDA (Organic Certification)						•	•		•			•			
IFOS (Fish Oils)				•				•	•				•		
IPRO (Probiotics)				•			•		•	•					
Detox Project	•	•													
Non-GMO Verified Project											• detection limit: 0.9%				
Eurofins Non-GMO Verified											• detection limit: 0.9%				
IGEN (GMO Evaluation)										•	• detection limit: 0.9%				

* Certification and verification information gathered from publicly available sources such as organizations' websites.

** Information for NSF gathered from the *NSF International Standard/American National Standard 173-2020 for Dietary Supplements* and the NSF website.

NOTE: ISURA's Standard Threshold Limits for specific items meet or exceed threshold limits set by: Association of Official Analytical Chemists (AOAC); United States Pharmacopeia (USP) and the global and national standards noted below. Find ISURA Threshold Limits at isura.ca/product-certification/

Glyphosate – A Threat to Product Safety

Glyphosate is present in the world's most popular herbicide - Roundup. It is a non-selective weed killer that kills plants by inhibiting a metabolic pathway called the shikimate pathway. This pathway is crucial for plants and some microorganisms, but does not exist in humans.^{1,2}

Glyphosate, which was claimed to be as safe as table salt^{3,4} for over 40 years, was reclassified as a probable carcinogen by the World Health Organization in 2015.⁵ Glyphosate is also found regularly in food and water.^{6,7}

In 2018, Roundup was purchased by Bayer. By then, consumers had filed thousands of lawsuits linking Roundup to cancer. The most common cancer associated with Roundup is non-Hodgkin's lymphoma. Bayer committed to begin in 2023 replacing "its glyphosate-based products in the U.S. residential Lawn & Garden market with new formulations that rely on alternative active ingredients."⁸ However, the damage had already been done.

A study from the University of Washington found that exposure to glyphosate increased an individual's risk of non-Hodgkin's lymphoma by 41%.⁹ The CDC also recently released findings that up to 80% of Americans may have traces of Roundup in their urine, showing they have been exposed to it. Considering that 200 million pounds of Roundup are likely sprayed annually on U.S. crops, it is not surprising most of the population has been exposed to it.¹⁰

More than 800 Australians diagnosed with non-Hodgkin lymphoma have alleged their cancer is linked to their exposure to Roundup and are taking part in a class action against manufacturer Monsanto which went to court for an initial hearing in September 2023.¹¹

Studies have also linked higher glyphosate exposure to a number of neurological concerns such as lower cognitive scores and depressive symptoms.¹² Roundup may also negatively affect gut bacteria. It blocks the shikimate pathway, which is important for both plants and microorganisms.¹³ In animal studies, glyphosate has also been found to disrupt beneficial gut bacteria. In addition, harmful bacteria seemed to be highly resistant to glyphosate.^{14,15} Preliminary research has also shown glyphosate to be an endocrine disruptor.¹⁶⁻²³

Despite this, in 2023, The European Commission has made a decision to renew its approval of the use of the weed killer glyphosate for another 10 years, saying a ban may have damaged Australian grain exports.¹¹

Bioclinic Naturals tests for **glyphosate** as well as over **500 pesticide residues**. We are consistently setting the standards for safety and the testing for glyphosate levels is a prime example of this.

**References available on request.*