

## **Aquacultured Shrimp**

Art. ID	NIST-8259
Unit	2 jars, 6 g to 8 g
Deliverydetails	Dry ice shipment /not restricted

### **Description**

This Reference Material (RM) is a fresh frozen shrimp homogenate prepared from aquacultured whiteleg shrimp (*Litopenaeus vannamei*) collected from a land-based facility in Alabama, USA. NIST-8259 is intended to support investigations of seafood safety and seafood authenticity using genetics, crude fat, fatty acids, and total protein. All constituents for which non-certified values are provided are naturally present in the homogenate. A unit of NIST-8259 consists of two glass jars, each containing approximately 6 g to 8 g (wet basis) of frozen tissue homogenate. /// Sample value(s) - please ask for current report of investigation.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Non-Certified Value	Palmitic Acid	[57-10-3]	0,109 ± 0,005	g/100 g		
Non-Certified Value	Stearic Acid	[57-11-4]	0,064 ± 0,005	g/100 g		
Non-Certified Value	OLEIC ACID	[112-80-1]	0,080 ± 0,013	g/100 g		
Non-Certified Value	Linoleic Acid	[60-33-3]	0,101 ± 0,006	g/100 g		
Non-Certified Value	Arachidonic Acid	[506-32-1]	0,029 ± 0,002	g/100 g		
Non-Certified Value	omega-3 (Z,Z,Z,Z,Z)-5,8,11,14,17-Eicosapentaenoic acid (EPA) (C20:5 n-3)	[10417-94-4]	0,082 ± 0,005	g/100 g		
Non-Certified Value	omega-3 (Z,Z,Z,Z,Z,Z)-4,7,10,13,16,19-Docosahexaenoic acid (DHA) (C22:6 n-3)	[6217-54-5]	0,052 ± 0,003	g/100 g		
Non-Certified Value	Monounsaturated Fat		0,080 ± 0,013	g/100 g		
Non-Certified Value	Omega-3 Fatty Acids		0,133 ± 0,008	g/100 g		
Non-Certified Value	omega-6 fatty acids		0,129 ± 0,008	g/100 g		
Non-Certified Value	Polyunsaturated Fat		0,262 ± 0,015	g/100 g		
Non-Certified Value	Saturated Fat		0,173 ± 0,010	g/100 g		
Non-Certified Value	Total fat		0,515 ± 0,035	g/100 g		
Non-Certified Value	Crude Fat	[n/a]	0,643 ± 0,086	%		
Non-Certified Value	Total Protein		19,30 ± 0,43	%		