



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Arsenic Speciation by ICP-MS

Method Number: LI-00.884

Scope of Application: This method describes the determination of organic and toxic inorganic arsenic species by IC-ICP-MS in rice, seafood, seafood-based & rice-based baby foods, juices, and juice concentrates (only total inorganic arsenic will be reported).

Description: Arsenic is extracted from test portion using ultrasonic enzymatic assisted extraction. Resulting extract is centrifuged and filtered for analysis by HPLC with IC-ICP-MS detection.

Sample Weight Required: 25 g

Analytical Platform: ICP-MS

Special Information: This method is not applicable to oily or high grade salts products. In addition, LI-00.848 Trace Elements - Arsenic must be requested to have this analysis completed.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification		Reproducibility
			Liquid Products	Dry Products	
Inorganic Arsenic		µg/kg	5	10	37%