



## **List of Azaspiracid Group Toxins Reference Materials Commercially Available**

European Union Reference Laboratory for Monitoring of Marine Biotoxins (EURLMB)  
CITEXVI (Ciudad Tecnológica de Vigo)  
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## 5. AZASPIRACID GROUP

<b>National Research Council Canada, NRC-CNRC</b>				
1411 Oxford Street. Halifax, Nova Scotia B3H 3Z1 Canada				
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Website: <a href="https://nrc.canada.ca/en/certifications-evaluations-standards/certified-reference-materials/list">https://nrc.canada.ca/en/certifications-evaluations-standards/certified-reference-materials/list</a>				
Name	Sales Name	Concentration	Amount	Comments
Azaspiracid 1	CRM-AZA1-c	1.54 ± 0.08 µg/g	0.5 mL	Solution of AZA1 in methanol
Azaspiracid 2	CRM- AZA2-c	1.51 ± 0.08 µg/g	0.5 mL	Solution of AZA2 in methanol
Azaspiracid 3	CRM-AZA3-b	1.51 ± 0.06 µg/g	0.5 mL	Solution of AZA3 in methanol
AZA Toxins	CRM-AZA-Mus	AZA1 - 1.16 µg/g AZA2 - 0.273 µg/g AZA3 - 0.211 µg/g	8 g	Mussel homogenate with AZAs

<b>Laboratorio CIFGA S.A.</b>				
Av. Benigno Rivera 56, 27003, Lugo, Spain - Tel.: (+34) 982 816 715				
Email: <a href="mailto:info@cifga.com">info@cifga.com</a> /				
Website: <a href="http://www.cifga.es/">http://www.cifga.es/</a>				
Name	Sales Name	Concentration	Amount	Comments
Azaspiracid-1	CRM-02-AZA1 Lot:23-001	[AZA1+37-epi-AZA1] 1.40 ± 0.10 µg/g Purity≥99%	0.50 µg	Liquid in methanol
Azaspiracid-2	CRM-02-AZA2 Lot:23-001	[AZA2+37-epi-AZA2] 1.62 ± 0.10 µg/g Purity≥99%	0.50 µg	Liquid in methanol
Azaspiracid-3	CRM-02-AZA3 Lot:20-001	[AZA3+37-epi-AZA3] 1.32 ± 0.09 µg/g Purity≥98%	0.50 µg	Liquid in methanol
Azaspiracid-4	02-AZA4 Lot:20-001	1.31 ± 0.03 µg/mL Purity≥98%	0.50 µg	Liquid in methanol. Not certified
Azaspiracid-5	02-AZA5 Lot:21-001	1.26 ± 0.09 µg/mL Purity≥95%	0.50 µg	Liquid in methanol. Not certified

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Name	Sales Name	Concentration	Amount	Comments
Azaspiracid-1	sc-202482	1µg: 2 µg/mL in methanol 0.5µg: in 0.5 mL methanol	1 µg 0.5 µg	Isolated from marine mussel Liquid, dissolved in methanol.
Azaspiracid-2	sc-202483	1 µg/mL in methanol	0.5 µg	Isolated from marine mussel Liquid.
Azaspiracid-3	sc-202484	1 µg/mL in methanol	0.5 µg	Isolated from marine mussel Liquid, dissolved in methanol.

<b>Novakits</b> 40 Boulevard Jean Ingres – 44100 NANTES Tél : 09 61 58 14 40 – Fax : 02 40 37 57 95 Email: <a href="mailto:info@novakits.com">info@novakits.com</a> Website: <a href="http://www.novakits.com">www.novakits.com</a>				
Name	Sales Name	Concentration	Amount	Comments
Azaspiracide-1	NRC-CRM-AZA1	1,57 µg/g	0.5 mL	---
Azaspiracide-2	NRC-CRM-AZA2	1,5 µM	0.5 mL	---
Azaspiracide-3	NRC-CRM-AZA3	1,31 µg/g	0.5 mL	---
Mussel tissue	NRC-CRM-AZA-MUS	[AZA1]: 1.16 µg/g [AZA2]: 0.27 µg/g [AZA3]: 0.21 µg/g	8 g	