



MINISTERIO
DE SANIDAD, SERVICIOS SOCIALES
E IGUALDAD

aecosan

agencia española
de consumo,
seguridad alimentaria y nutrición



EUROPEAN UNION REFERENCE LABORATORY FOR MARINE BIOTOXINS

List of Azaspiracid Group Toxins Reference Materials Commercially Available

Revised March 2015

European Union Reference Laboratory for Marine Biotoxins (EURLMB)
Agencia Española de Consumo, Seguridad Alimentaria y Nutrición (AECOSAN)
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5. AZASPIRACID GROUP

NRC-CNRC, Marine Analytical Chemistry Standards Program. Institute for Marine Biosciences 1411 Oxford Street. Halifax, Nova Scotia B3H 3Z1 Canada Tel.: 1-902 426-8251 / Fax: 1-902 426-5426 Email: CRM-MRCBiotoxin-Biotoxines@nrc-cnrc.gc.ca Web page: http://www.nrc-cnrc.gc.ca/eng/solutions/advisory/crm/biotoxin/list_products.html				
Name	Sales name	Concentration	Amount	Comments
Azaspiracid 1	CRM-AZA1-b	1.54 µmol/L	0.5 mL	Solution of AZA1 in methanol
Azaspiracid 2	CRM-AZA2-b	1.43 µmol/L	0.5 mL	Solution of AZA2 in methanol
Azaspiracid 3	CRM-AZA3	1.25 µmol/L	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

Laboratorio CIFGA S.A. Plaza Santo Domingo 20 - 5ª planta. 27001 Lugo, Spain Tel.: (0034)608 073 245/ Fax: (0034) 982 25 49 69 Email: cifga.std100@cifga.es / Web page: http://www.cifga.es				
Name	Sales name	Concentration	Amount	Comments
Azaspiracid-1	CRM-02-AZA1	[AZA1+37-epi-AZA1] 1.36 ± 0.12 µg/g Purity>98%	0.50 µg	Liquid in methanol
Azaspiracid-2	CRM-02-AZA2	[AZA2+37-epi-AZA2] 1.33 ± 0.07 µg/g Purity>97%	0.50 µg	Liquid in methanol
Azaspiracid-3	CRM-02-AZA3	[AZA3+37-epi-AZA3] 1.30 ± 0.09 µg/g Purity>96%	0.50 µg	Liquid in methanol
Azaspiracid-4	00-AZA4	1.01 ± 0.09 µg/mL Purity>98%	0.50 µg	Liquid in methanol. Not certified
Azaspiracid-5	00-AZA5	1.00 ± 0.11 µg/mL Purity>98%	0.50 µg	Liquid in methanol Not certified

Santa Cruz Biotechnology, inc Bergheimer Str. 89-2 69115 Heidelberg, Germany Tel.:+ 49 6221 45030 / Fax: +49 6221 450345 E-mail: europa@scbt.com / Web page: http://www.scbt.com				
Name	Sales name	Concentration	Amount	Comments
Azaspiracid-1	sc-202482	2 µg/mL	1 µg	Isolated from marine mussel Liquid, dissolved in methanol Not certified
Azaspiracid-2	sc-202483	1 µg/mL	1 µg	Isolated from marine mussel Liquid Not certified
Azaspiracid-3	sc-202484	2 µg/mL	1 µg	Isolated from marine mussel Liquid, dissolved in methanol Not certified