

Ethylenediamine Dihydriodide (EDDI)

HI-NH₂CH₂CH₂NH₂-HI

CAS#5700-49-2

Technical Data Sheet

GHS Product Identifier: 103.44, Ethylenediamine Dihydriodide; EDDI, Ethane-1,2-diamine dihydroiodide

Formula Description: White or off-white crystals or crystalline powder or granules.

Recommended Use: Ethylenediamine Dihydriodide (EDDI) is used as an additive in pet food and cattle feed with a high bioavailability⁽¹⁾. Used to prevent iodine deficiency⁽²⁾. This salt is one of the major uses of element iodine in animals. EDDI is generally recognized as safe (GRAS) only as a nutrient source of iodine, administration of EDDI also has preventative effects on foot rot in cattle.⁽³⁾

General Properties:

Molecular Weight	315.94
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Chemical Product Specifications

Deepwater's **PurI₂ty** products offer you full traceability for all raw materials.

All products are manufactured under current Good Manufacturing Practices (cGMP) in our US FDA registered plant. FEI #2013633.



	PurI₂ty EDDI	PurI₂ty 45%Soln
Assay	> = 99%	44.5% - 45.4%
Iodide content	79.50-80.70	35.70 -36.50
pH (5% Solution)	4-6 (10% solution)	4.0 – 6.0

Standard Packaging

Net Weight	Packaging	
12.5 kgs	HDPE bag	EDDI
600 lb	55 gal HDPE Drum	45% Soln
3,000 lb	UN31HA1 275 gal Tote	45% Soln

SDS with detailed information available upon request.

References:

1. J.N. Berg, D. Padgett, B. McCarthy **Iodine concentrations in milk of dairy cattle fed various amounts of iodine as ethylenediamine dihydriodide** J. Dairy Sci., 71 (1988), p. 3283
2. J.C. Bruhn, A.A. Franke, **Iodine in cow's milk produced in the USA in 1980–1981**, J. Food Prot., 48 (1985), p. 397
3. Miller, J. K., and K. Tillapaugh. 1967. **Iodine medicated salt for beef cattle**. Cornell Feed Serv. 62:11

