

EVALUATION OF DIAMINE OXIDASE (DAO) ACTIVITY

Sample

Ingredient:	nutroDAO - DIAMINA OXIDASE
Company:	LEMMA
Lot nº:	EXT8324092
Manufacturing Date:	03/04/2024
Expiry Date:	03/03/2026
Storage Condition:	Sealed, dark, dry, under refrigeration (2-8°C)

Methodology

DAO activity determination is performed according to the methodology described and analytically validated by Comas-Basté et al., 2019¹.

DAO activity is expressed in mU (nmol of degraded histamine per minute). This enzymatic activity is also provided per mg of porcine kidney protein extract.

Results

Table 1. DAO activity (mean and SD) for each sample.

Sample	DAO activity	
	mU	mU/mg extract
nutroDAO	ND	ND
Sigma-Aldrich	1,66 mU	

*ND: No DAO activity was detected in the sample

¹Comas-Basté O, Latorre-Moratalla ML, Sánchez-Pérez S, Veciana-Nogués MT, Vidal-Carou MC. In vitro determination of diamine oxidase activity in food matrices by an enzymatic assay coupled to UHPLC-FL. Anal Bioanal Chem. 2019;411(28): 7595-7602. doi:10.1007/s00216-019-02178-2.