

DIN EN 17090:2019-01 (E)

Fertilizers - Determination of nitrification inhibitor DMPA in fertilizers - Method using high-performance liquid chromatography (HP LC)

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Principle	4
5	Reagents	4
6	Apparatus	4
7	Sampling and sample preparation	5
8	Procedure	5
8.1	Preparation of the test solution	5
8.2	Preparation of the calibration solutions	5
8.3	Preparation of the eluents	5
8.4	HPLC conditions	5
8.5	HPLC determination	5
Figure 1 -- Chromatogram of DMPA		6
9	Calculation and expression of the results	6
10	Precision	7
10.1	Inter-laboratory test	7
10.2	Repeatability	7
10.3	Reproducibility	7
Table 1 -- Mean values, repeatability and reproducibility limits		7
11	Test report	7
Annex A (informative) Results of the inter-laboratory test		8
Table A.1 -- Statistical results of the inter-laboratory trial		8
Bibliography		9