

JHG ANALYTICAL SERVICES LIMITED

Unit 9 Airside

Boeing Avenue

Airport Business Park

Killowen

Waterford X91 FX50

Republic of Ireland.

Tel: +353 51 364103

Mob: +353 85 1379 880

Fax: +353 51 364039

ANALYSIS REPORT REFERENCE: 22-06-25196

**CHEMICAL/BIOCHEMICAL
ANALYTICAL REPORT**

Nature of Product: GroGreen Vinasse Sample.

Date of Report: 2nd. July 2022.

Sample Reference: Batch June 2022.

**E.Marker A/S
Okslundvej 8
BOV DK-6330
Padborg
Denmark.**

For the Attention of: Mr. Carsten Marker.

Contact No. +46 74670808

Email: Carsten@marker.DK.

Date of Sample: 8th. June 2022.

ANALYSIS REPORT REFERENCE: 22-06-25196

Herbicide Residues Analysis

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Sulfonyl Ureas/Ureas	UHPLC-MS	APHA 6630	µg/ml.	< 0.004
Imidazolinones/Diphenylethers	UHPLC-MS	APHA 6630	µg/ml.	< 0.005
Phenoxy/Chlorophenoxy	UHPLC-MS	APHA 6630	µg/ml.	< 0.006
Dinitroalinine/Acetamides	UHPLC-MS	APHA 6630	µg/ml.	< 0.002
Bipyridilliums/Triketones	UHPLC-MS	APHA 6630	µg/ml.	< 0.004
Thiocarbamates	UHPLC-MS	APHA 6630	µg/ml.	< 0.035
Glyphosate/Glufosinate	UHPLC-MS	APHA 6630	µg/ml.	< 0.002
Atrazine desethyl deisopropyl	UHPLC-MS	APHA 6630	µg/ml.	< 0.001
Atrazine deisopropyl	UHPLC-MS	APHA 6630	µg/ml.	< 0.003
Atrazine desethyl	UHPLC-MS	APHA 6630	µg/ml.	< 0.002
Simazine	UHPLC-MS	APHA 6630	µg/ml.	< 0.005
Terbutylazine desethyl	UHPLC-MS	APHA 6630	µg/ml.	< 0.001
Atrazine	UHPLC-MS	APHA 6630	µg/ml.	< 0.001
Terbutryn	UHPLC-MS	APHA 6630	µg/ml.	< 0.001
Terbutylazine	UHPLC-MS	APHA 6630	µg/ml.	< 0.001
Alachlor	UHPLC-MS	APHA 6630	µg/ml.	< 0.004
Metolachlor	UHPLC-MS	APHA 6630	µg/ml.	< 0.005
Aminopyralid	LS-MS-MS	APHA 6630	µg/ml.	< 0.001
Clopyralid	LS-MS-MS	APHA 6630	µg/ml.	< 0.001
Triclopyr	LS-MS-MS	APHA 6630	µg/ml.	< 0.002

ANALYSIS REPORT REFERENCE: 21-09-21966

Pesticide Residues Analysis

Parameter	Method of Analysis	Method Reference	Units	Reported Levels
Organochlorine Residues	UHPLC-MS	APHA 6630	µg/ml.	< 0.002
Organophosphorus Residues	UHPLC-MS	APHA 6630	µg/ml.	< 0.002
Organonitrogen Residues	UHPLC-MS	APHA 6630	µg/ml.	< 0.050
Carbamate Pesticides	UHPLC-MS	APHA 6630	µg/ml.	< 0.030
Pyrethroid Residues	UHPLC-MS	APHA 6630	µg/ml.	< 0.001
Organotin Residues	UHPLC-MS	APHA 6630	µg/ml.	< 0.002

All test methods were performed in accordance with the requirements of ISO: IEC 17025.

The test results relate only to the product listed in this report.

Assessor Credentials

BSc (Hons) in Analytical Chemistry with Quality Management.

MSc in Environmental Chemistry.

J.W. GOUGH

_____ **Technical Signatory.**

Dated: 2nd. July 2022