



Certificate of Analysis

Bulmers Farmfresh Vegetables P/L
30 Bulmers Road
Lindenow VIC, AUSTRALIA, 3865



Accreditation No. 1247
Accredited for compliance with
ISO/IEC 17025 - Testing

Attention: Frans Goosen

Overall Description: Kale 01.10.24

Our Ref No: FM2473928

Your Ref:

Project:

Report Date: 15 Oct 2024

Samples Received: 02 Oct 2024

Testing Commenced: 14 Oct 2024

This report cannot be reproduced except in full, without written approval from the laboratory.
Samples tested as received into the laboratory, unless the sampling was conducted by ALS.

Sample Details: Test Description	Results	Units	Site
001 Kale 01.10.24 (NATA Accredited)			
FC0067	Alachlor	<0.010	mg/kg VIC
FC0067	Aldrin	<0.010	mg/kg VIC
FC0067	Atrazine	<0.010	mg/kg VIC
FC0067	Azinphos ethyl	<0.010	mg/kg VIC
FC0067	Azinphos Methyl	<0.010	mg/kg VIC
FC0067	Benalaxyl	<0.010	mg/kg VIC
FC0067	Bifenthrin	<0.010	mg/kg VIC
FC0067	Bitertanol	<0.010	mg/kg VIC
FC0067	Bromophos ethyl	<0.010	mg/kg VIC
FC0067	Bupirimate	<0.010	mg/kg VIC
FC0067	Buprofezin	<0.010	mg/kg VIC
FC0067	Captan	<0.050	mg/kg VIC
FC0067	Chlordane	<0.010	mg/kg VIC
FC0067	Chlordane-cis	<0.010	mg/kg VIC
FC0067	Chlordane-trans	<0.010	mg/kg VIC
FC0067	Chlorfenapyr	<0.010	mg/kg VIC
FC0067	Chlorfenvinphos	<0.010	mg/kg VIC
FC0067	Chlorothalonil	<0.050	mg/kg VIC
FC0067	Chlorpropham	<0.010	mg/kg VIC
FC0067	Chlorpyrifos	<0.010	mg/kg VIC
FC0067	Chlorpyrifos methyl	<0.010	mg/kg VIC
FC0067	Chlorthal dimethyl	<0.010	mg/kg VIC
FC0067	Cyfluthrin	<0.010	mg/kg VIC
FC0067	Cyhalothrin	<0.010	mg/kg VIC
FC0067	Cypermethrin	<0.010	mg/kg VIC
FC0067	Cyproconazole	<0.010	mg/kg VIC
FC0067	Cyprodinil	<0.010	mg/kg VIC
FC0067	Deltamethrin	<0.010	mg/kg VIC
FC0067	Diazinon	<0.010	mg/kg VIC
FC0067	Dicloran	<0.010	mg/kg VIC
FC0067	Dicofol	<0.010	mg/kg VIC
FC0067	o,p`-Dicofol	<0.010	mg/kg VIC

NATA: NSW - 1247 (site: 2040) VIC - 1247 (sites: 1240, 16438)
TGA: NSW - MI-2012 - LI - 05733 - 3 VIC - MI-2012 - LI - 06776 - 3
APVMA: NSW - 6179 VIC - 6181

22 Dalmore Drive, Scoresby VIC 3179 Phone: +61 3 8756 8111 Fax: +61 3 9763 1234
Food & Pharmaceutical. An ALS Limited Company

FC0067	p,p`-Dicofol	<0.010	mg/kg	VIC
FC0067	Dieldrin	<0.010	mg/kg	VIC
FC0067	Difenoconazole	<0.010	mg/kg	VIC
FC0067	Dimethomorph	<0.010	mg/kg	VIC
FC0067	Diphenylamine	<0.010	mg/kg	VIC
FC0067	Disulfoton	<0.010	mg/kg	VIC
FC0067	Endosulfan	<0.010	mg/kg	VIC
FC0067	Endosulfan alpha	<0.010	mg/kg	VIC
FC0067	Endosulfan beta	<0.010	mg/kg	VIC
FC0067	Endosulfan sulfate	<0.010	mg/kg	VIC
FC0067	Endrin	<0.010	mg/kg	VIC
FC0067	Endrin ketone	<0.010	mg/kg	VIC
FC0067	Esfenvalerate	<0.010	mg/kg	VIC
FC0067	Ethoprophos	<0.010	mg/kg	VIC
FC0067	Fenarimol	<0.010	mg/kg	VIC
FC0067	Fenbuconazole	<0.010	mg/kg	VIC
FC0067	Fenitrothion	<0.010	mg/kg	VIC
FC0067	Fenoxycarb	<0.010	mg/kg	VIC
FC0067	Fenvalerate	<0.010	mg/kg	VIC
FC0067	Fludioxonil	<0.010	mg/kg	VIC
FC0067	Flusilazole	<0.010	mg/kg	VIC
FC0067	HCB	<0.010	mg/kg	VIC
FC0067	HCH Alpha	<0.010	mg/kg	VIC
FC0067	HCH Beta	<0.010	mg/kg	VIC
FC0067	HCH Delta	<0.010	mg/kg	VIC
FC0067	Heptachlor	<0.010	mg/kg	VIC
FC0067	Heptachlor epoxide	<0.010	mg/kg	VIC
FC0067	Hexaconazole	<0.010	mg/kg	VIC
FC0067	Imazalil	<0.010	mg/kg	VIC
FC0067	Iprodione	<0.010	mg/kg	VIC
FC0067	Kresoxim-methyl	<0.010	mg/kg	VIC
FC0067	Lindane Gamma HCH	<0.010	mg/kg	VIC
FC0067	Malathion	<0.010	mg/kg	VIC
FC0067	Methacrifos	<0.010	mg/kg	VIC
FC0067	Methidathion	<0.010	mg/kg	VIC
FC0067	Methoxychlor	<0.010	mg/kg	VIC
FC0067	Metribuzin	<0.010	mg/kg	VIC
FC0067	Mevinphos	<0.010	mg/kg	VIC
FC0067	Monocrotophos	<0.010	mg/kg	VIC
FC0067	Myclobutanil	<0.010	mg/kg	VIC
FC0067	o-Phenylphenol	<0.010	mg/kg	VIC
FC0067	o,p-DDD	<0.010	mg/kg	VIC
FC0067	o,p-DDE	<0.010	mg/kg	VIC
FC0067	o,p-DDT	<0.010	mg/kg	VIC
FC0067	Oxychlorane	<0.010	mg/kg	VIC
FC0067	Oxyfluorfen	<0.010	mg/kg	VIC
FC0067	p,p-DDD	<0.010	mg/kg	VIC
FC0067	p,p-DDE	<0.010	mg/kg	VIC
FC0067	p,p-DDT	<0.010	mg/kg	VIC
FC0067	Paclobutrazol	<0.010	mg/kg	VIC
FC0067	Parathion Ethyl	<0.010	mg/kg	VIC
FC0067	Parathion Methyl	<0.010	mg/kg	VIC
FC0067	Penconazole	<0.010	mg/kg	VIC
FC0067	Pendimethalin	<0.010	mg/kg	VIC

NATA: NSW - 1247 (site: 2040) VIC - 1247 (sites: 1240, 16438)
TGA: NSW - MI- 2012 - LI - 05733 - 3 VIC - MI-2012 - LI - 06776 - 3
APVMA: NSW - 6179 VIC - 6181

22 Dalmore Drive, Scoresby VIC 3179 Phone: +61 3 8756 8111 Fax: +61 3 9763 1234
Food & Pharmaceutical. An ALS Limited Company

FC0067	Permethrin	<0.010	mg/kg	VIC
FC0067	Piperonyl Butoxide	<0.010	mg/kg	VIC
FC0067	Pirimiphos methyl	<0.010	mg/kg	VIC
FC0067	Prochloraz	<0.010	mg/kg	VIC
FC0067	Procymidone	<0.010	mg/kg	VIC
FC0067	Profenofos	<0.010	mg/kg	VIC
FC0067	Propachlor	<0.010	mg/kg	VIC
FC0067	Propiconazole	<0.010	mg/kg	VIC
FC0067	Prothiofos	<0.010	mg/kg	VIC
FC0067	Pyrimethanil	<0.010	mg/kg	VIC
FC0067	Pyriproxyfen	<0.010	mg/kg	VIC
FC0067	Quintozene	<0.010	mg/kg	VIC
FC0067	Tebuconazole	<0.010	mg/kg	VIC
FC0067	Tebufenpyrad	<0.010	mg/kg	VIC
FC0067	Tetradifon	<0.010	mg/kg	VIC
FC0067	Tolclophos-methyl	<0.010	mg/kg	VIC
FC0067	Triadimefon	<0.010	mg/kg	VIC
FC0067	Triadimenol	<0.010	mg/kg	VIC
FC0067	Vinclozolin	<0.010	mg/kg	VIC
FC0071	Abamectin	<0.010	mg/kg	VIC
FC0071	Acephate	<0.010	mg/kg	VIC
FC0071	Azoxystrobin	<0.010	mg/kg	VIC
FC0071	Bifenazate	<0.010	mg/kg	VIC
FC0071	Bifenazate Diazene	<0.010	mg/kg	VIC
FC0071	Bioresmethrin	<0.010	mg/kg	VIC
FC0071	Boscalid	<0.010	mg/kg	VIC
FC0071	Carbaryl	<0.010	mg/kg	VIC
FC0071	Carbendazim	<0.010	mg/kg	VIC
FC0071	Carbofuran	<0.010	mg/kg	VIC
FC0071	Chlorantranilprole	<0.010	mg/kg	VIC
FC0071	Clofentezine	<0.010	mg/kg	VIC
FC0071	Demeton-S	<0.010	mg/kg	VIC
FC0071	Demeton-S-methyl	<0.010	mg/kg	VIC
FC0071	Demeton-S-Sulfone	<0.010	mg/kg	VIC
FC0071	Demeton-S-Sulfoxide	<0.010	mg/kg	VIC
FC0071	Dichlofluanid	<0.010	mg/kg	VIC
FC0071	Dichlorvos	<0.010	mg/kg	VIC
FC0071	Dimethoate	<0.010	mg/kg	VIC
FC0071	Disulfoton sulfone	<0.010	mg/kg	VIC
FC0071	Disulfoton sulfoxide	<0.010	mg/kg	VIC
FC0071	Diuron	<0.010	mg/kg	VIC
FC0071	Etoxazole	<0.010	mg/kg	VIC
FC0071	Fenamiphos	<0.010	mg/kg	VIC
FC0071	Fenhexamid	<0.010	mg/kg	VIC
FC0071	Fenpyroximate	<0.010	mg/kg	VIC
FC0071	Fenthion	<0.010	mg/kg	VIC
FC0071	Fenthion oxon	<0.010	mg/kg	VIC
FC0071	Fenthion oxon sulfone	<0.010	mg/kg	VIC
FC0071	Fenthion oxon sulfoxide	<0.010	mg/kg	VIC
FC0071	Fenthion sulfone	<0.010	mg/kg	VIC
FC0071	Fenthion sulfoxide	<0.010	mg/kg	VIC
FC0071	Fipronil	<0.010	mg/kg	VIC
FC0071	Fipronil desulfinyl	<0.010	mg/kg	VIC
FC0071	Fipronil sulfide	<0.010	mg/kg	VIC

NATA: NSW - 1247 (site: 2040) **VIC** - 1247 (sites: 1240, 16438)
TGA: NSW - MI- 2012 - LI - 05733 - 3 **VIC** - MI-2012 - LI - 06776 - 3
APVMA: NSW - 6179 **VIC** - 6181

22 Dalmore Drive, Scoresby VIC 3179 Phone: +61 3 8756 8111 Fax: +61 3 9763 1234
 Food & Pharmaceutical. An ALS Limited Company

FC0071	Fipronil sulfone	<0.010	mg/kg	VIC
FC0071	Flubendiamide	<0.010	mg/kg	VIC
FC0071	Fluvalinate	<0.010	mg/kg	VIC
FC0071	Fluvalinate-tau	<0.010	mg/kg	VIC
FC0071	Hexythiazox	<0.010	mg/kg	VIC
FC0071	Imidacloprid	<0.010	mg/kg	VIC
FC0071	Indoxacarb	<0.010	mg/kg	VIC
FC0071	Linuron	<0.010	mg/kg	VIC
FC0071	Metalaxyl	<0.010	mg/kg	VIC
FC0071	Methamidophos	<0.010	mg/kg	VIC
FC0071	Methomyl	<0.010	mg/kg	VIC
FC0071	Omethoate	<0.010	mg/kg	VIC
FC0071	Oxamyl	<0.010	mg/kg	VIC
FC0071	Penthiopyrad	<0.010	mg/kg	VIC
FC0071	Phenothrin	<0.010	mg/kg	VIC
FC0071	Phorate	<0.010	mg/kg	VIC
FC0071	Phosmet	<0.010	mg/kg	VIC
FC0071	Phosmet oxon	<0.010	mg/kg	VIC
FC0071	Pirimicarb	<0.010	mg/kg	VIC
FC0071	Propamocarb	<0.010	mg/kg	VIC
FC0071	Propargite	<0.010	mg/kg	VIC
FC0071	Prosulfocarb	<0.010	mg/kg	VIC
FC0071	Pymetrozine	<0.010	mg/kg	VIC
FC0071	Pyraclostrobin	<0.010	mg/kg	VIC
FC0071	Pyrasulfatole	<0.010	mg/kg	VIC
FC0071	Pyrethrins	<0.010	mg/kg	VIC
FC0071	Simazine	<0.010	mg/kg	VIC
FC0071	Spinetoram	<0.010	mg/kg	VIC
FC0071	Spinetoram A	<0.010	mg/kg	VIC
FC0071	Spinetoram B	<0.010	mg/kg	VIC
FC0071	Spinosad	<0.010	mg/kg	VIC
FC0071	Spinosyn A	<0.010	mg/kg	VIC
FC0071	Spinosyn D	<0.010	mg/kg	VIC
FC0071	Spirotetramat	<0.010	mg/kg	VIC
FC0071	Sulfoxaflor	<0.010	mg/kg	VIC
FC0071	Tebufenozide	<0.010	mg/kg	VIC
FC0071	Terbufos	<0.010	mg/kg	VIC
FC0071	Thiabendazole	<0.010	mg/kg	VIC
FC0071	Thiacloprid	<0.010	mg/kg	VIC
FC0071	Thiamethoxam	<0.010	mg/kg	VIC
FC0071	Trichlorfon	<0.010	mg/kg	VIC
FC0071	Trifloxystrobin	<0.010	mg/kg	VIC
FC0071	Vamidothion	<0.010	mg/kg	VIC
FC0114	Cadmium	<0.010	mg/kg	VIC
FC0114	Lead	<0.010	mg/kg	VIC

¹NATA accreditation does not cover the performance of this service.
Measurement of Uncertainty values for your compliance are available at <https://www.alsglobal.com/muvalues>.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Yin Tan	Lab Supervisor	Food Chemistry

NATA: NSW - 1247 (site: 2040) **VIC** - 1247 (sites: 1240, 16438)
TGA: NSW - MI-2012-LI-05733-3 **VIC** - MI-2012-LI-06776-3
APVMA: NSW - 6179 **VIC** - 6181

22 Dalmore Drive, Scoresby VIC 3179 Phone: +61 3 8756 8111 Fax: +61 3 9763 1234
Food & Pharmaceutical. An ALS Limited Company

General Comments

N/D = Not Detected, < = Less than, > = Greater than, cfu = colony forming unit, MPN = Most Probable Number, PN = Probable Number, Y = Yeast, M = Mould, ~ = Estimate

Test results are interpreted against MRLs stated in Australia New Zealand Food Standards Code Schedule 20, 21 & 22 however other interpretations may be possible (e.g. matrix interpretations).

All results are within Maximum Residue Limits (MRL) as outlined in the Australia New Zealand Food Standards Code (FSANZ Schedule 20, 21 & 22) unless otherwise stated.

When evaluating if results are within MRL the measurement of uncertainty associated with test results are not considered.

The recipients are advised to seek another expert opinion to evaluate the test results reported where significant consequence may arise.

NATA: NSW - 1247 (site: 2040) **VIC - 1247 (sites: 1240, 16438)**
TGA: NSW - MI-2012 - LI - 05733 - 3 **VIC - MI-2012 - LI - 06776 - 3**
APVMA: NSW - 6179 **VIC - 6181**

22 Dalmore Drive, Scoresby VIC 3179 Phone: +61 3 8756 8111 Fax: +61 3 9763 1234
Food & Pharmaceutical. An ALS Limited Company