



# Certificate of Analysis

Bulmers Farmfresh Vegetables P/L  
30 Bulmers Lane  
Lindnow VIC, AUSTRALIA, 3865

Attention: Tara Gillies

Overall Description: Kale, Sampled 09/08/2022

Our Ref No: FM2257512

Your Ref:

Project:

Report Date: 19 Aug 2022

Samples Received: 10 Aug 2022

Testing Commenced: 15 Aug 2022

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
<b>001 Kale, Sampled 09/08/2022 (NATA Accredited)</b>			
C3 Pesticide Screen	Aldrin	<0.010	mg/kg VIC
C3 Pesticide Screen	Azinphos Methyl	<0.010	mg/kg VIC
C3 Pesticide Screen	Benalaxyl	<0.010	mg/kg VIC
C3 Pesticide Screen	Bifenthrin	<0.010	mg/kg VIC
C3 Pesticide Screen	Bioresmethrin	<0.010	mg/kg VIC
C3 Pesticide Screen	Bitertanol	<0.010	mg/kg VIC
C3 Pesticide Screen	Bromophos ethyl	<0.010	mg/kg VIC
C3 Pesticide Screen	Bupirimate	<0.010	mg/kg VIC
C3 Pesticide Screen	Buprofezin	<0.010	mg/kg VIC
C3 Pesticide Screen	Captan	<0.050	mg/kg VIC
C3 Pesticide Screen	Chlordane-cis	<0.010	mg/kg VIC
C3 Pesticide Screen	Chlorfenapyr	<0.010	mg/kg VIC
C3 Pesticide Screen	Chlorfenvinphos	<0.010	mg/kg VIC
C3 Pesticide Screen	Chlorpyrifos	<0.010	mg/kg VIC
C3 Pesticide Screen	Chlorpyrifos methyl	<0.010	mg/kg VIC
C3 Pesticide Screen	Chlorthal dimethyl	<0.010	mg/kg VIC
C3 Pesticide Screen	Cyproconazole	<0.010	mg/kg VIC
C3 Pesticide Screen	Cyprodinil	<0.010	mg/kg VIC
C3 Pesticide Screen	o,p-DDD	<0.010	mg/kg VIC
C3 Pesticide Screen	p,p-DDD	<0.010	mg/kg VIC
C3 Pesticide Screen	o,p-DDE	<0.010	mg/kg VIC
C3 Pesticide Screen	p,p-DDE	<0.010	mg/kg VIC
C3 Pesticide Screen	o,p-DDT	<0.010	mg/kg VIC
C3 Pesticide Screen	p,p-DDT	<0.010	mg/kg VIC
C3 Pesticide Screen	Deltamethrin	<0.010	mg/kg VIC
C3 Pesticide Screen	Demeton-S-methyl	<0.010	mg/kg VIC
C3 Pesticide Screen	Diazinon	<0.010	mg/kg VIC
C3 Pesticide Screen	Dichlofluanid	<0.020	mg/kg VIC
C3 Pesticide Screen	Dichlorvos	<0.020	mg/kg VIC
C3 Pesticide Screen	Dicloran	<0.010	mg/kg VIC
C3 Pesticide Screen	Dicofol	<0.010	mg/kg VIC
C3 Pesticide Screen	Dieldrin	<0.010	mg/kg VIC

NATA: NSW - 1247 (site: 2040) VIC - 1247 (sites: 1240, 16438) QLD - 1247 (site: 25153)  
TGA: NSW - MI- 2012 - LI - 05733 - 3 VIC - MI-2012 - LI - 06776 - 3  
APVMA: NSW - 6179 VIC - 6181

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C3 Pesticide Screen	Difenoconazole	<0.010	mg/kg	VIC
C3 Pesticide Screen	Dimethomorph	<0.010	mg/kg	VIC
C3 Pesticide Screen	Diphenylamine	<0.010	mg/kg	VIC
C3 Pesticide Screen	Disulfoton	<0.010	mg/kg	VIC
C3 Pesticide Screen	Endosulphan alpha	<0.010	mg/kg	VIC
C3 Pesticide Screen	Endosulphan beta	<0.010	mg/kg	VIC
C3 Pesticide Screen	Endrin	<0.010	mg/kg	VIC
C3 Pesticide Screen	Esfenvalerate	<0.010	mg/kg	VIC
C3 Pesticide Screen	Ethoprophos	<0.010	mg/kg	VIC
C3 Pesticide Screen	Fenarimol	<0.010	mg/kg	VIC
C3 Pesticide Screen	Fenitrothion	<0.010	mg/kg	VIC
C3 Pesticide Screen	Fenoxycarb	<0.010	mg/kg	VIC
C3 Pesticide Screen	Fenthion	<0.010	mg/kg	VIC
C3 Pesticide Screen	Fenvalerate	<0.010	mg/kg	VIC
C3 Pesticide Screen	Fipronil	<0.010	mg/kg	VIC
C3 Pesticide Screen	Fludioxonil	<0.010	mg/kg	VIC
C3 Pesticide Screen	Flusilazole	<0.010	mg/kg	VIC
C3 Pesticide Screen	Fluvalinate	<0.010	mg/kg	VIC
C3 Pesticide Screen	HCB	<0.010	mg/kg	VIC
C3 Pesticide Screen	HCH Alpha	<0.010	mg/kg	VIC
C3 Pesticide Screen	HCH Beta	<0.010	mg/kg	VIC
C3 Pesticide Screen	HCH Delta	<0.010	mg/kg	VIC
C3 Pesticide Screen	Heptachlor	<0.010	mg/kg	VIC
C3 Pesticide Screen	Heptachlor epoxide	<0.010	mg/kg	VIC
C3 Pesticide Screen	Hexaconazole	<0.010	mg/kg	VIC
C3 Pesticide Screen	Imazalil	<0.010	mg/kg	VIC
C3 Pesticide Screen	Indoxacarb	<0.010	mg/kg	VIC
C3 Pesticide Screen	Iprodione	<0.010	mg/kg	VIC
C3 Pesticide Screen	Kresoxim-methyl	<0.010	mg/kg	VIC
C3 Pesticide Screen	Lindane Gamma HCH	<0.010	mg/kg	VIC
C3 Pesticide Screen	Malathion	<0.010	mg/kg	VIC
C3 Pesticide Screen	Methacrifos	<0.010	mg/kg	VIC
C3 Pesticide Screen	Methidathion	<0.010	mg/kg	VIC
C3 Pesticide Screen	Metribuzin	<0.010	mg/kg	VIC
C3 Pesticide Screen	Mevinphos	<0.010	mg/kg	VIC
C3 Pesticide Screen	Monocrotophos	<0.010	mg/kg	VIC
C3 Pesticide Screen	Myclobutanil	<0.010	mg/kg	VIC
C3 Pesticide Screen	o-Phenylphenol	<0.010	mg/kg	VIC
C3 Pesticide Screen	Oxyfluorfen	<0.010	mg/kg	VIC
C3 Pesticide Screen	Paclobutrazol	<0.010	mg/kg	VIC
C3 Pesticide Screen	Penconazole	<0.010	mg/kg	VIC
C3 Pesticide Screen	Pendimethalin	<0.010	mg/kg	VIC
C3 Pesticide Screen	Permethrin	<0.020	mg/kg	VIC
C3 Pesticide Screen	Phenothrin	<0.020	mg/kg	VIC
C3 Pesticide Screen	Phorate	<0.010	mg/kg	VIC
C3 Pesticide Screen	Phosmet	<0.010	mg/kg	VIC
C3 Pesticide Screen	Piperonyl Butoxide	<0.010	mg/kg	VIC
C3 Pesticide Screen	Pirimicarb	<0.010	mg/kg	VIC
C3 Pesticide Screen	Pirimiphos methyl	<0.010	mg/kg	VIC
C3 Pesticide Screen	Prochloraz	<0.010	mg/kg	VIC
C3 Pesticide Screen	Procymidone	<0.010	mg/kg	VIC
C3 Pesticide Screen	Profenofos	<0.010	mg/kg	VIC
C3 Pesticide Screen	Propiconazole	<0.010	mg/kg	VIC
C3 Pesticide Screen	Prothiofos	<0.010	mg/kg	VIC

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C3 Pesticide Screen	Quintozene	<0.010	mg/kg	VIC
C3 Pesticide Screen	Simazine	<0.010	mg/kg	VIC
C3 Pesticide Screen	Tebuconazole	<0.010	mg/kg	VIC
C3 Pesticide Screen	Tebufenpyrad	<0.010	mg/kg	VIC
C3 Pesticide Screen	Terbufos	<0.010	mg/kg	VIC
C3 Pesticide Screen	Tetradifon	<0.010	mg/kg	VIC
C3 Pesticide Screen	Tolclophos-methyl	<0.010	mg/kg	VIC
C3 Pesticide Screen	Triadimefon	<0.010	mg/kg	VIC
C3 Pesticide Screen	Triadimenol	<0.010	mg/kg	VIC
C3 Pesticide Screen	Vinclozolin	<0.010	mg/kg	VIC
C3 Pesticide Screen	Chlorothalonil	<0.050	mg/kg	VIC
C3 Pesticide Screen	Chlorane trans	<0.010	mg/kg	VIC
C3 Pesticide Screen	Endosulfan sulfate	<0.010	mg/kg	VIC
C3 Pesticide Screen	Sulfoxaflor	<0.010	mg/kg	VIC
C3 Pesticide Screen	Cyfluthrin	<0.010	mg/kg	VIC
C3 Pesticide Screen	Azinphos ethyl	<0.010	mg/kg	VIC
C3 Pesticide Screen	Cyhalothrin	<0.010	mg/kg	VIC
C3 Pesticide Screen	Cypermethrin	<0.010	mg/kg	VIC
C3 Pesticide Screen	Parathion Ethyl	<0.010	mg/kg	VIC
C3 Pesticide Screen	Parathion Methyl	<0.010	mg/kg	VIC
C3 Pesticide Screen	Pyrimethanil	<0.010	mg/kg	VIC
C3 Pesticide Screen	Pyriproxyfen	<0.010	mg/kg	VIC
C5 Pesticide Screen	Abamectin	<0.020	mg/kg	VIC
C5 Pesticide Screen	Azoxystrobin	<0.020	mg/kg	VIC
C5 Pesticide Screen	Boscalid	<0.020	mg/kg	VIC
C5 Pesticide Screen	Carbendazim	<0.020	mg/kg	VIC
C5 Pesticide Screen	Chlorantraniliprole	<0.020	mg/kg	VIC
C5 Pesticide Screen	Diuron	<0.020	mg/kg	VIC
C5 Pesticide Screen	Fenhexamid	<0.020	mg/kg	VIC
C5 Pesticide Screen	Fenpyroximate	<0.020	mg/kg	VIC
C5 Pesticide Screen	Flubendiamide	<0.020	mg/kg	VIC
C5 Pesticide Screen	Imidacloprid	<0.020	mg/kg	VIC
C5 Pesticide Screen	Methomyl	<0.020	mg/kg	VIC
C5 Pesticide Screen	Prosulfocarb	<0.020	mg/kg	VIC
C5 Pesticide Screen	Pymetrozine	<0.020	mg/kg	VIC
C5 Pesticide Screen	Pyraclostrobin	0.320	mg/kg	VIC
C5 Pesticide Screen	Pyrasulfatole	<0.020	mg/kg	VIC
C5 Pesticide Screen	Spinetoram	<0.010	mg/kg	VIC
C5 Pesticide Screen	Spinosad	<0.020	mg/kg	VIC
C5 Pesticide Screen	Spirotetramat	<0.020	mg/kg	VIC
C5 Pesticide Screen	Tebufenozide	<0.020	mg/kg	VIC
C5 Pesticide Screen	Thiabendazole	<0.020	mg/kg	VIC
C5 Pesticide Screen	Thiacloprid	<0.020	mg/kg	VIC
C5 Pesticide Screen	Thiamethoxam	<0.010	mg/kg	VIC
C5 Pesticide Screen	Trifloxystrobin	<0.020	mg/kg	VIC
C5 Pesticide Screen	Pyrethrins	<0.020	mg/kg	VIC
C5 Pesticide Screen	Trichlorfon	<0.020	mg/kg	VIC
C5 Pesticide Screen	Clofentezine	<0.020	mg/kg	VIC
C5 Pesticide Screen	Acephate	<0.020	mg/kg	VIC
C5 Pesticide Screen	Carbaryl	<0.020	mg/kg	VIC
C5 Pesticide Screen	Dimethoate	<0.020	mg/kg	VIC
C5 Pesticide Screen	Omethoate	<0.020	mg/kg	VIC
C5 Pesticide Screen	Fenamiphos	<0.020	mg/kg	VIC
C5 Pesticide Screen	Hexythiazox	<0.020	mg/kg	VIC

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C5 Pesticide Screen	Linuron	<0.020	mg/kg	VIC
C5 Pesticide Screen	Metalaxyl	<0.020	mg/kg	VIC
C5 Pesticide Screen	Methamidophos	<0.020	mg/kg	VIC
C5 Pesticide Screen	Propargite	<0.020	mg/kg	VIC
C5 Pesticide Screen	Vamidothion	<0.020	mg/kg	VIC
C5 Pesticide Screen	Propamocarb	<0.020	mg/kg	VIC
Metals	Cadmium	<0.010	mg/kg	VIC
Metals	Lead	<0.010	mg/kg	VIC

<sup>1</sup>NATA accreditation does not cover the performance of this service.

Measurement of Uncertainty values for your compliance are available at <https://www.alsglobal.com/au/services-and-products/food-safety/laboratory-downloads/client-downloads>.

### 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.



**WORLD RECOGNISED  
ACCREDITATION**  
Accredited for compliance with  
ISO/IEC 17025 - Testing

Signatories	Position	Accreditation Category
Karl Kusko	Laboratory Manager	Food Chemistry

### 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 Schedule 20, 21 & 22 to the best of the facility's abilities, however other interpretations may be possible. The recipients are advised to seek another expert opinion to evaluate the test results reported where significant consequence may arise. The facility's interpretation of the MRLs from the Schedules has not considered the Measurement Uncertainty for the test.**

FC5193 tested by Agrifood Technology. 260 Princes Highway, WERRIBEE, VIC 3030 Accreditation No. 2726.

C6 Pesticide Screen - Imidacloprid, Pyrasulfatole, Prochloraz and Trifloxystrobin are reported as the parent compound only as per FSANZ Schedule 20/21 definitions

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

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