

Final Analytical Report

Tracey Young
Blackmore Vale Farm Cream Ltd (B V Dairy)
Wincombe Lane
Shaftesbury
Dorset
SP7 8QD
United Kingdom

Customer order: PO049957
Date of sample receipt: 16 April 2025
Report issue date: 02 May 2025

Sample Type:
Milk

Customer Reference:
ZZLAB
ZZLAB

Test Details:

GCMS-MRM (AP) (SOP: FSG/159)
LCMS-MRM (AP) (SOP: FSG/167 LCMS)

Signed:



Sam Marsden, Analytical Chemist
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Report Details:

Method Summary:

No deviations from the SOP were made.

Report Summary:

No residues were found in the sample(s) supplied at or above the reporting limits quoted.

Final Analytical Report



Sample Details:

FERA Reference:	S25-019314	Sample received on:	16 Apr 2025
Sample Type:	Milk		
Customer Reference:	ZZLAB		
Additional Information:	Raw Milk 1 (Pesticide MRM Screen 2 - LCMS)		

Analytical results:

Result

LCMS-MRM (AP)

DMF	<	0.002 mg/kg
abamectin	<	0.002 mg/kg
acephate	<	0.002 mg/kg
aldicarb	<	0.002 mg/kg
aldicarb sulfone	<	0.002 mg/kg
aldicarb sulfoxide	<	0.002 mg/kg
allethrin	<	0.002 mg/kg
amitraz	<	0.01 mg/kg
Azamethiphos	<	0.002 mg/kg
azinphos-ethyl	<	0.002 mg/kg
azinphos-methyl	<	0.002 mg/kg
BAC10	<	0.01 mg/kg
BAC12	<	0.01 mg/kg
BAC14	<	0.01 mg/kg
BAC16	<	0.01 mg/kg
bendiocarb	<	0.002 mg/kg
bixafen	<	0.002 mg/kg
boscalid	<	0.002 mg/kg
BTS 40348	<	0.002 mg/kg
BTS 44595	<	0.002 mg/kg
BTS 44596	<	0.002 mg/kg
cadusafos	<	0.002 mg/kg
carbaryl	<	0.002 mg/kg
carbendazim	<	0.002 mg/kg
carbofuran	<	0.001 mg/kg
carbofuran (3-hydroxy)	<	0.001 mg/kg
chlorfenapyr	<	0.002 mg/kg
chlorfenvinphos	<	0.002 mg/kg
coumaphos	<	0.002 mg/kg
cyproconazole	<	0.002 mg/kg

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Analytical results:

Result

LCMS-MRM (AP)

cyromazine	<	0.002 mg/kg
DDAC	<	0.01 mg/kg
dichlorvos	<	0.002 mg/kg
diflubenzuron	<	0.002 mg/kg
dimethoate	<	0.002 mg/kg
DMPF	<	0.01 mg/kg
epoxiconazole	<	0.002 mg/kg
etofenprox	<	0.002 mg/kg
famoxadone	<	0.002 mg/kg
fenoxycarb	<	0.002 mg/kg
fenpropidin	<	0.002 mg/kg
fenpropimorph	<	0.002 mg/kg
fenthion	<	0.002 mg/kg
fenthion sulfone	<	0.002 mg/kg
fenthion sulfoxide	<	0.002 mg/kg
fipronil	<	0.002 mg/kg
fipronil de-sulfinyl	<	0.002 mg/kg
fipronil sulfone	<	0.002 mg/kg
fluazifop (free acid)	<	0.002 mg/kg
flufenoxuron	<	0.002 mg/kg
Flumethrin	<	0.002 mg/kg
fluquinconazole	<	0.002 mg/kg
flusilazole	<	0.002 mg/kg
haloxyfop (free acid)	<	0.002 mg/kg
heptenophos	<	0.002 mg/kg
indoxacarb	<	0.002 mg/kg
lufenuron	<	0.002 mg/kg
malaoxon	<	0.002 mg/kg
metaflumizone	<	0.002 mg/kg
metazachlor	<	0.002 mg/kg

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LCMS-MRM (AP)

methamidophos	<	0.002 mg/kg
methiocarb	<	0.002 mg/kg
methiocarb sulfone	<	0.002 mg/kg
methiocarb sulfoxide	<	0.002 mg/kg
methomyl	<	0.002 mg/kg
mevinphos	<	0.002 mg/kg
omethoate	<	0.002 mg/kg
oxamyl	<	0.002 mg/kg
phosmet	<	0.002 mg/kg
phosphamidon	<	0.002 mg/kg
phoxim	<	0.002 mg/kg
pirimicarb	<	0.002 mg/kg
pirimicarb-desmethyl	<	0.002 mg/kg
prochloraz	<	0.002 mg/kg
profenofos	<	0.002 mg/kg
propetamphos	<	0.002 mg/kg
propoxur	<	0.002 mg/kg
prothioconazole-desthio	<	0.002 mg/kg
pyrazophos	<	0.002 mg/kg
pyriproxyfen	<	0.002 mg/kg
spinosad	<	0.002 mg/kg
tebuconazole	<	0.002 mg/kg
teflubenzuron	<	0.002 mg/kg
tetraconazole	<	0.002 mg/kg
tetramethrin	<	0.002 mg/kg
thiacloprid	<	0.002 mg/kg
thiamethoxam	<	0.002 mg/kg
thiodicarb	<	0.002 mg/kg
triazophos	<	0.002 mg/kg
trichlorfon	<	0.002 mg/kg

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Sample Details:

FERA Reference:	S25-019315	Sample received on:	16 Apr 2025
Sample Type:	Milk		
Customer Reference:	ZZLAB		
Additional Information:	Raw Milk 2 (Pesticide MRM Screen 1 - GCMS)		

Analytical results:

Result

GCMS-MRM (AP)

PCB 28	<	0.001 mg/kg
aldrin	<	0.002 mg/kg
bifenthrin	<	0.002 mg/kg
bromophos-ethyl	<	0.002 mg/kg
bromopropylate	<	0.002 mg/kg
chlordane (cis)	<	0.002 mg/kg
chlordane (trans)	<	0.002 mg/kg
chlorobenzilate	<	0.002 mg/kg
chlorpropham	<	0.002 mg/kg
chlorpyrifos	<	0.002 mg/kg
chlorpyrifos-methyl	<	0.002 mg/kg
cyfluthrin	<	0.002 mg/kg
cyhalothrin-lambda	<	0.002 mg/kg
cypermethrin	<	0.002 mg/kg
DDD-op	<	0.002 mg/kg
DDD-pp	<	0.002 mg/kg
DDE-op	<	0.002 mg/kg
DDE-pp	<	0.002 mg/kg
DDT-op	<	0.002 mg/kg
DDT-pp	<	0.002 mg/kg
deltamethrin	<	0.002 mg/kg
diazinon	<	0.002 mg/kg
dieldrin	<	0.002 mg/kg
endosulfan (I)	<	0.002 mg/kg
endosulfan (II)	<	0.002 mg/kg
endosulfan sulfate	<	0.002 mg/kg
endrin	<	0.002 mg/kg
ethion	<	0.002 mg/kg
ethoprophos	<	0.002 mg/kg
etoxazole	<	0.002 mg/kg

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Analytical results:

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GCMS-MRM (AP)

etrimfos	<	0.002 mg/kg
fenitrothion	<	0.002 mg/kg
fenpropathrin	<	0.002 mg/kg
fenvalerate	<	0.002 mg/kg
fluvalinate	<	0.002 mg/kg
HCH-alpha	<	0.002 mg/kg
HCH-beta	<	0.002 mg/kg
HCH-delta	<	0.002 mg/kg
HCH-gamma	<	0.002 mg/kg
heptachlor	<	0.002 mg/kg
heptachlor epoxide-cis	<	0.002 mg/kg
heptachlor epoxide-trans	<	0.002 mg/kg
hexachlorobenzene	<	0.002 mg/kg
malathion	<	0.002 mg/kg
methacrifos	<	0.002 mg/kg
methidathion	<	0.002 mg/kg
methoxychlor	<	0.002 mg/kg
nitrofen	<	0.002 mg/kg
oxychlordane	<	0.002 mg/kg
parathion-ethyl	<	0.002 mg/kg
parathion-methyl	<	0.002 mg/kg
PCB 52	<	0.001 mg/kg
pendimethalin	<	0.002 mg/kg
permethrin	<	0.002 mg/kg
pirimiphos-methyl	<	0.002 mg/kg
pyridaben	<	0.002 mg/kg
quintozone	<	0.002 mg/kg
tecnazone	<	0.002 mg/kg
tefluthrin	<	0.002 mg/kg
tetrachlorvinphos	<	0.002 mg/kg

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Analytical results:

Result

GCMS-MRM (AP)

tetradifon	<	0.002 mg/kg
trifluralin	<	0.002 mg/kg
vinclozolin	<	0.002 mg/kg
PCB 101	<	0.001 mg/kg
PCB 118	<	0.001 mg/kg
PCB 138	<	0.001 mg/kg
PCB 153	<	0.001 mg/kg
PCB 180	<	0.001 mg/kg

Method Summary Details:

FSG/159

A sub-sample was extracted with ethyl acetate, prior to clean-up using gel permeation chromatography (HPGPC) and subsequent determination using gas chromatography with mass spectrometric detection (GC-MS or GC-MS/MS).

FSG/167 LCMS

A sub-sample was extracted with acetonitrile, in the presence of salts. Analysis was carried out using liquid chromatography with mass spectrometric detection (HPLC-MS/MS) in selected reaction monitoring mode. The presence of residues was confirmed using the same technique in multiple reaction monitoring mode.