4.5 Dioxins/Furans and PCBs

4.5.1.1 Dioxins Concentrations for S20-046500 (Batch number 2005001)

Fera Reference	Customer Batch	Dioxin	Concentration [ng/kg]
S20-046500_A	2005001	2,3,7,8-TCDD	<0.02
S20-046500_B	2005001	2,3,7,8-TCDD	<0.02
S20-046500_C	2005001	2,3,7,8-TCDD	<0.02
S20-046500_A	2005001	1,2,3,7,8-PeCDD	<0.01
S20-046500_B	2005001	1,2,3,7,8-PeCDD	<0.01
S20-046500_C	2005001	1,2,3,7,8-PeCDD	<0.01
S20-046500_A	2005001	1,2,3,4,7,8-HxCDD	<0.01
S20-046500_B	2005001	1,2,3,4,7,8-HxCDD	<0.01
S20-046500_C	2005001	1,2,3,4,7,8-HxCDD	<0.01
S20-046500_A	2005001	1,2,3,6,7,8-HxCDD	<0.01
S20-046500_B	2005001	1,2,3,6,7,8-HxCDD	<0.01
S20-046500_C	2005001	1,2,3,6,7,8-HxCDD	<0.01
S20-046500_A	2005001	1,2,3,7,8,9-HxCDD	<0.04
S20-046500_B	2005001	1,2,3,7,8,9-HxCDD	<0.04
S20-046500_C	2005001	1,2,3,7,8,9-HxCDD	<0.04
S20-046500_A	2005001	1,2,3,4,6,7,8-HpCDD	<0.04
S20-046500_B	2005001	1,2,3,4,6,7,8-HpCDD	<0.04
S20-046500_C	2005001	1,2,3,4,6,7,8-HpCDD	<0.04
S20-046500_A	2005001	OCDD	<0.16
S20-046500_B	2005001	OCDD	<0.16
S20-046500_C	2005001	OCDD	<0.16
S20-046500_A	2005001	2,3,7,8-TCDF	<0.04
S20-046500_B	2005001	2,3,7,8-TCDF	<0.05
S20-046500_C	2005001	2,3,7,8-TCDF	<0.04
S20-046500_A	2005001	1,2,3,7,8-PeCDF	<0.01
S20-046500_B	2005001	1,2,3,7,8-PeCDF	<0.01
S20-046500_C	2005001	1,2,3,7,8-PeCDF	<0.01
S20-046500_A	2005001	2,3,4,7,8-PeCDF	<0.05
S20-046500_B	2005001	2,3,4,7,8-PeCDF	<0.05
S20-046500_C	2005001	2,3,4,7,8-PeCDF	<0.05
S20-046500_A	2005001	1,2,3,4,7,8-HxCDF	<0.07
S20-046500_B	2005001	1,2,3,4,7,8-HxCDF	<0.07
S20-046500_C	2005001	1,2,3,4,7,8-HxCDF	<0.07
S20-046500_A	2005001	1,2,3,6,7,8-HxCDF	<0.02
S20-046500_B	2005001	1,2,3,6,7,8-HxCDF	<0.02
S20-046500_C	2005001	1,2,3,6,7,8-HxCDF	<0.02
S20-046500_A	2005001	1,2,3,7,8,9-HxCDF	<0.03
S20-046500_B	2005001	1,2,3,7,8,9-HxCDF	<0.03

Test Report

Fera Science Ltd.
Sand Hutton,
York,
YO41 1LZ
United Kingdom

Test Report No.: FR002212_041220_Capsule **Date: 8th December 2020**

Customer:	**APO**
Analysis:	**Suite of 7 cannabinoids by HPLC-UV**
Matrix:	**Capsules**
Received:	**19th of November 2020**
Analysed	**23rd November to 2nd of December 2020**

1. BACKGROUND

This report describes the analytical testing of a CBD sample product labelled as capsule.

The term "CBD" is an acronym for cannabidiol, which is one of several cannabinoids, or chemical compounds, that are found in cannabis and hemp plants.
The sample was analysed for the concentrations of 7 cannabinoids:

- **CBC,** Cannabichromene
- **CBD,** Cannabidiol
- **CBDA,** Cannabidiolic acid
- **CBG,** Cannabigerol
- **CBN,** Cannabinol
- **THC,** Tetrahydrocannabinol
- **THCA,** Tetrahydrocannabinolic acid

2. SAMPLE DESCRIPTION

The sample was received at the laboratory in satisfactory condition and stored dark at ambient temperature prior to analysis.

The CBD capsules were in an amber glass pot with a black plastic screw cap

A unique identifying number was assigned to the samples using the Fera laboratory information management system. The relevant sample details are shown in the table below.

Sample information				
Fera reference	**Customer reference**	**Description**	**Batch/LOT code**	**Best before**
S20-049791	20 mg CBD Capsules	Oval capsules	TE272.AA.10	N/A

3. SAMPLING AND ANALYSIS

3.1 Cannabinoids

The sample was extracted into solvent and diluted before the cannabinoids were determined using HPLC-UV.

Accuracy of the method was assessed by analysing in-house reference material with known concentrations of CBD as well as over spiked blank material alongside the samples.

4. RESULTS

4.1 Cannabichromene, cannabidiol, cannabidiolic acid, cannabigerol, cannabinol, tetrahydrocannabinol and tetrahydrocannabinolic acid

Sample identification			Cannabinoid concentrations (%)						
Fera reference	**Customer reference**	**Description**	**CBC**	**CBD**	**CBDA**	**CBG**	**CBN**	**THC**	**THCA**
S20-049791	20 mg CBD Capsules	Oval capsules	ND	**8.5**	ND	ND	ND	ND	ND

ND = Not detected above the quantifiable limit of 0.02%.

Michael Dickinson, Senior Scientist **Mark Harrison, Analytical Chemist**

Issuing Officer:	Mark Harrison, Analytical chemist	**Date:**	08/12/2020
Countersigning Manager:	Michael Dickinson, Senior scientist	**Date:**	08/12/2020

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4.6 PAHs

4.6.1 PAHs Concentrations for S20-046500 (Batch number 2005001)

PAHs	Concentration [µg/kg]		
	S20-046500_A	S20-046500_B	S20-046500_C
acenaphthylene	<0.27	<0.28	<0.28
acenaphthene	<1.67	<1.70	<1.71
fluorene	<1.83	<1.88	<1.88
phenanthrene	<2.32	<2.37	<2.38
anthracene	<0.15	<0.16	<0.16
fluoranthene	<1.15	<1.18	<1.18
benzo[c]fluorene	<0.02	<0.02	<0.02
pyrene	<1.20	<3.67	<1.49
Benzo[ghi]fluoranthene	<0.13	<0.02	<0.02
benzo[a]anthracene	**<0.03**	**<0.03**	**<0.03**
benzo[b]naphtho[2,1-d]thiophene	<0.02	<0.02	<0.02
cyclopenta[cd]pyrene	0.04	<0.01	<0.01
chrysene	**<0.12**	**<0.12**	**<0.12**
5-methylchrysene	<0.03	<0.03	<0.03
benzo[b]fluoranthene	**<0.10**	**<0.10**	**<0.10**
benzo[j]fluoranthene	<0.01	<0.01	<0.01
benzo[k]fluoranthene	<0.02	<0.02	<0.02
benzo[e]pyrene	<0.01	<0.01	<0.01
benzo[a]pyrene (BaP)	**<0.29**	**<0.30**	**<0.30**
indeno[1,2,3-c,d]pyrene	<0.12	<0.12	<0.12
dibenzo[a,h]anthracene	<0.16	<0.17	<0.17
benzo[ghi]perylene	<0.01	<0.01	<0.01
anthanthrene	<0.10	<0.10	<0.10
dibenzo[a,l]pyrene	<0.42	<0.43	<0.43
dibenzo[a,e]pyrene	<0.33	<0.33	<0.34
dibenzo[a,i]pyrene	<0.10	<0.10	<0.10
dibenzo[a,h]pyrene	<0.10	<0.10	<0.10
Coronene	<0.10	<0.10	<0.10
PAH 4 SUM Upper	**0.54**	**0.55**	**0.55**
PAH 4 SUM Lower	**<0.01**	**<0.01**	**<0.01**

Appendix 1. Test Report No.: FR002404_S20-047454-9919

Complete list of pesticides analysed for samples S20-047454, S20-047456, S20-047457, S20-048256 and S20-049919 by LC-MS/MS or GC-MS/MS

Analyte	Concentration [mg/kg]
2,4-D	<0.01
2,4-DB	<0.01
2-phenylphenol	<0.01
6-benzyl aminopurine	<0.01
abamectin	<0.01
acephate	<0.01
acetamiprid	<0.01
acetochlor	<0.01
acibenzolar-S-methyl	<0.01
aclonifen	<0.01
acrinathrin	<0.01
alachlor	<0.01
aldicarb	<0.01
aldicarb sulfone	<0.01
aldicarb sulfoxide	<0.01
aldrin	<0.01
allethrin	<0.01
ametoctradin	<0.01
amidosulfuron	<0.01
asulam	<0.01
atrazine	<0.01
azinphos-ethyl	<0.01
azinphos-methyl	<0.01
azoxystrobin	<0.01
BAC10	<0.05
BAC12	<0.05
BAC14	<0.05
BAC16	<0.05
benalaxyl	<0.01
bendiocarb	<0.01
benthiavalicarb-isopropyl	<0.01
bifenox	<0.01
bifenthrin	<0.01
biphenyl	<0.01
bispyribac-sodium	<0.01
bitertanol	<0.01
bixafen	<0.01
boscalid	<0.01

bromophos-ethyl	<0.01
bromopropylate	<0.01
bromoxynil	<0.01
bromuconazole	<0.01
bupirimate	<0.01
buprofezin	<0.01
butachlor	<0.01
butocarboxim	<0.01
butocarboxim sulfoxide	<0.01
butoxycarboxim	<0.01
cadusafos	<0.01
carbaryl	<0.01
carbendazim	<0.01
carbetamide	<0.01
carbofuran	<0.001
carbofuran (3-hydroxy)	<0.001
carboxin	<0.01
chlorantraniliprole	<0.01
chlorbufam	<0.01
chlordane (cis)	<0.01
chlordane (trans)	<0.01
chlorfenapyr	<0.01
chlorfenvinphos	<0.01
chlorfluazuron	<0.01
chloridazon	<0.01
chlorobenzilate	<0.01
chlorothalonil	<0.01
chlorpropham	<0.01
chlorpyrifos	<0.01
chlorpyrifos-methyl	<0.01
chlorthal-dimethyl	<0.01
chlortoluron	<0.01
chlozolinate	<0.01
chromafenozide	<0.01
clethodim	<0.01
clofentezine	<0.01
clomazone	<0.01
clothianidin	<0.01
coumaphos	<0.01
cyanazine	<0.01
cyazofamid	<0.01
cycloate	<0.01
cycloxydim	<0.01
cyflufenamid	<0.01
cyfluthrin	<0.01
cyhalofop butyl	<0.01

cyhalothrin-lambda	<0.01
cymoxanil	<0.01
cypermethrin	<0.01
cyproconazole	<0.01
cyprodinil	<0.01
cyromazine	<0.01
DDAC	<0.05
DDD-op	<0.01
DDD-pp	<0.01
DDE-op	<0.01
DDE-pp	<0.01
DDT-op	<0.01
DDT-pp	<0.01
deltamethrin	<0.01
demeton-S-methyl	<0.01
demeton-S-methyl sulfone	<0.01
desmedipham	<0.01
diafenthiuron	<0.01
diazinon	<0.01
dichlobenil	<0.01
dichlofluanid	<0.01
dichlorprop	<0.01
dichlorvos	<0.01
diclobutrazol	<0.01
dicloran	<0.01
dicofol	<0.01
dicrotophos	<0.01
dieldrin	<0.01
diethofencarb	<0.01
difenoconazole	<0.01
diflubenzuron	<0.01
diflufenican	<0.01
dimethenamid	<0.01
dimethoate	<0.01
dimethomorph	<0.01
dimoxystrobin	<0.01
diniconazole	<0.01
dinotefuran	<0.01
diphenylamine	<0.01
disulfoton	<0.01
disulfoton sulfone	<0.01
disulfoton sulfoxide	<0.01
diuron	<0.01
DMF	<0.01
DMPF	<0.01
DMSA	<0.01

dodine	<0.01
emamectin benzoate	<0.01
endosulfan (I)	<0.01
endosulfan (II)	<0.01
endosulfan sulfate	<0.01
endrin	<0.01
EPN	<0.01
epoxiconazole	<0.01
EPTC	<0.01
ethiofencarb	<0.01
ethiofencarb sulfone	<0.01
ethiofencarb sulfoxide	<0.01
ethion	<0.01
ethirimol	<0.01
ethofumesate	<0.01
ethoprophos	<0.01
etofenprox	<0.01
etoxazole	<0.01
etridiazole	<0.01
etrimfos	<0.01
famoxadone	<0.01
fenamidone	<0.01
fenamiphos	<0.01
fenamiphos sulfone	<0.01
fenamiphos sulfoxide	<0.01
fenarimol	<0.01
fenazaquin	<0.01
fenbuconazole	<0.01
fenbutatin oxide	<0.01
fenhexamid	<0.01
fenitrothion	<0.01
fenoxycarb	<0.01
fenpropathrin	<0.01
fenpropidin	<0.01
fenpropimorph	<0.01
fenpyrazamine	<0.01
fenpyroximate	<0.01
fensulfothion	<0.01
fensulfothion sulfone	<0.01
fensulfothion-oxon	<0.01
fensulfothion-oxon-sulfone	<0.01
fenthion	<0.01
fenthion sulfone	<0.01
fenthion sulfoxide	<0.01
fentin acetate	<0.01
fenvalerate	<0.01

fipronil	<0.002
fipronil de-sulfinyl	<0.002
fipronil sulfone	<0.002
flonicamid	<0.01
fluazifop (free acid)	<0.01
fluazifop-p-butyl	<0.01
fluazinam	<0.01
flubendiamide	<0.01
flucythrinate	<0.01
fludioxonil	<0.01
flufenacet	<0.01
flufenoxuron	<0.01
fluometuron	<0.01
fluopicolide	<0.01
fluopyram	<0.01
fluoxastrobin	<0.01
fluquinconazole	<0.01
flurochloridone	<0.01
fluroxypyr	<0.01
flusilazole	<0.01
flutolanil	<0.01
flutriafol	<0.01
fluvalinate	<0.01
fluxapyroxad	<0.01
folpet	<0.01
fonofos	<0.01
formetanate-HCl	<0.01
formothion	<0.01
fosthiazate	<0.01
furalaxyl	<0.01
furathiocarb	<0.001
furmecyclox	<0.01
halofenozide	<0.01
halosulfuron-methyl	<0.01
haloxyfop (free acid)	<0.01
HCH-alpha	<0.01
HCH-beta	<0.01
HCH-delta	<0.01
HCH-gamma	<0.01
heptachlor	<0.01
heptachlor epoxide-cis	<0.01
heptachlor epoxide-trans	<0.01
heptenophos	<0.01
hexachlorobenzene	<0.01
hexaconazole	<0.01
hexazinone	<0.01

hexythiazox	<0.01
imazalil	<0.01
imazaquin	<0.01
imidacloprid	<0.01
indoxacarb	<0.01
ioxynil	<0.01
iprodione	<0.01
iprovalicarb	<0.01
isazofos	<0.01
isocarbofos	<0.01
isofenphos	<0.01
isofenphos-methyl	<0.01
isoprocarb	<0.01
isoprothiolane	<0.01
isoproturon	<0.01
isopyrazam	<0.01
isoxaben	<0.01
isoxaflutole	<0.01
kresoxim-methyl	<0.01
lenacil	<0.01
linuron	<0.01
lufenuron	<0.01
malaoxon	<0.01
malathion	<0.01
mandipropamid	<0.01
MCPA	<0.01
MCPB	<0.01
mecarbam	<0.01
mepanipyrim	<0.01
mephosfolan	<0.01
mepronil	<0.01
mesosulfuron-methyl	<0.01
metaflumizone	<0.01
metalaxyl	<0.01
metamitron	<0.01
metazachlor	<0.01
metconazole	<0.01
methabenzthiazuron	<0.01
methacrifos	<0.01
methamidophos	<0.01
methidathion	<0.01
methiocarb	<0.01
methiocarb sulfone	<0.01
methiocarb sulfoxide	<0.01
methomyl	<0.01
methoxychlor	<0.01

methoxyfenozide	<0.01
metobromuron	<0.01
metolachlor	<0.01
metolcarb	<0.01
metosulam	<0.01
metoxuron	<0.01
metrafenone	<0.01
metribuzin	<0.01
metsulfuron-methyl	<0.01
mevinphos	<0.01
molinate	<0.01
monocrotophos	<0.01
monolinuron	<0.01
monuron	<0.01
myclobutanil	<0.01
napropamide	<0.01
nitenpyram	<0.01
nitrofen	<0.01
nitrothal-isopropyl	<0.01
novaluron	<0.01
nuarimol	<0.01
ofurace	<0.01
omethoate	<0.01
oxadiargyl	<0.01
oxadiazon	<0.01
oxadixyl	<0.01
oxamyl	<0.01
oxasulfuron	<0.01
oxychlordane	<0.01
oxydemeton-methyl	<0.01
oxyfluorfen	<0.01
paclobutrazol	<0.01
paraoxon-methyl	<0.01
parathion-ethyl	<0.01
parathion-methyl	<0.01
penconazole	<0.01
pencycuron	<0.01
pendimethalin	<0.01
penflufen	<0.01
pentachloroaniline	<0.01
pentanochlor	<0.01
penthiopyrad	<0.01
permethrin	<0.01
phenmedipham	<0.01
phenthoate	<0.01
phorate	<0.01

phorate sulfone	<0.01
phorate sulfoxide	<0.01
phosalone	<0.01
phosmet	<0.01
phosphamidon	<0.01
phoxim	<0.01
phthalimide	<0.01
picolinafen	<0.01
picoxystrobin	<0.01
piperonyl butoxide	<0.01
pirimicarb	<0.01
pirimicarb-desmethyl	<0.01
pirimiphos-ethyl	<0.01
pirimiphos-methyl	<0.01
prochloraz	<0.01
procymidone	<0.01
profenofos	<0.01
promecarb	<0.01
prometryn	<0.01
propachlor	<0.01
propamocarb (free base)	<0.01
propanil	<0.01
propaquizafop	<0.01
propargite	<0.01
propetamphos	<0.01
propham	<0.01
propiconazole	<0.01
propoxur	<0.01
propyzamide	<0.01
proquinazid	<0.01
prosulfocarb	<0.01
prosulfuron	<0.01
prothioconazole-desthio	<0.01
prothiofos	<0.01
pymetrozine	<0.01
pyraclostrobin	<0.01
pyrazophos	<0.01
pyrethrins	<0.01
pyridaben	<0.01
pyridalyl	<0.01
pyridaphenthion	<0.01
pyrifenox	<0.01
pyrimethanil	<0.01
pyriproxyfen	<0.01
quassia	<0.01
quinalphos	<0.01

quinmerac	<0.01
quinoclamine	<0.01
quinomethionate	<0.01
quinoxyfen	<0.01
quintozene	<0.01
quizalofop P	<0.01
resmethrin	<0.01
rimsulfuron	<0.01
rotenone	<0.01
simazine	<0.01
spinetroram	<0.01
spinosad	<0.01
spirodiclofen	<0.02
spiromesifen	<0.01
spirotetramat	<0.01
spirotetramat enol	<0.01
spiroxamine	<0.01
sulcotrione	<0.01
sulfoxaflor	<0.01
tebuconazole	<0.01
tebufenozide	<0.01
tebufenpyrad	<0.01
tebuthiuron	<0.01
tecnazene	<0.01
teflubenzuron	<0.01
tefluthrin	<0.01
tepraloxydim	<0.01
terbufos	<0.01
terbufos sulfone	<0.01
terbufos sulfoxide	<0.01
terbuthylazine	<0.01
terbutryn	<0.01
tetrachlorvinphos	<0.01
tetraconazole	<0.01
tetradifon	<0.01
tetrahydrophthalimide	<0.01
tetramethrin	<0.01
TFNA	<0.01
TFNG	<0.01
thiabendazole	<0.01
thiacloprid	<0.01
thiamethoxam	<0.01
thiodicarb	<0.01
thiophanate-methyl	<0.01
tolclofos-methyl	<0.01
tolfenpyrad	<0.01

tolylfluanid	<0.01
triadimefon	<0.01
triadimenol	<0.01
triallate	<0.01
triasulfuron	<0.01
triazamate (free acid)	<0.01
triazophos	<0.01
triclopyr	<0.01
tricyclazole	<0.01
trifloxystrobin	<0.01
triflumizole	<0.01
triflumuron	<0.01
trifluralin	<0.01
triforine	<0.01
triticonazole	<0.01
vinclozolin	<0.01
zoxamide	<0.01

4.3 Pesticides

No pesticide residues were detected in any of the samples. Please see Appendix 1 for details of all analytes (423 pesticides covered) and reporting limits covered in these analyses.

4.4 Mycotoxins (OA/Aflas)

No mycotoxins were detected above the reporting levels in the table below for any of the samples.

			[µg/kg]					
Fera reference	**Batch number**	**Replicate**	**Afla B1**	**Afla B2**	**Afla G1**	**Afla G2**	**Total Aflatoxins**	**Ochratoxin A**
S20-046500_A	2005001	1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046500_B		2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046500_C		3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046501_A	2006003	1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046501_B		2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046501_C		3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046502_A	2007001	1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046502_B		2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046502_C		3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046503_A	2004003	1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046503_B		2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046503_C		3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046504_A	2006001	1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046504_B		2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2
S20-046504_C		3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.2

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4.6.5 PAHs Concentrations for S20-046504 (Batch number 2006001)

PAHs	Concentration [µg/kg]		
	S20-046504_A	S20-046504_B	S20-046504_C
acenaphthylene	<0.31	<0.30	<0.31
acenaphthene	<1.59	<1.53	<1.58
fluorene	<1.73	<1.67	<1.72
phenanthrene	<2.44	<2.36	<2.43
anthracene	<0.13	<0.12	<0.13
fluoranthene	<1.41	<1.36	<1.41
benzo[c]fluorene	<0.01	<0.06	<0.02
pyrene	<1.81	<4.28	<3.79
benzo[ghi]fluoranthene	<0.15	<0.14	<0.15
benzo[a]anthracene	**<0.04**	**<0.04**	**<0.04**
benzo[b]naphtho[2,1-d]thiophene	<0.03	<0.02	<0.03
cyclopenta[cd]pyrene	<0.01	<0.01	<0.01
chrysene	**<0.14**	**<0.13**	**<0.14**
5-methylchrysene	<0.01	<0.01	<0.01
benzo[b]fluoranthene	**<0.11**	**<0.11**	**<0.11**
benzo[j]fluoranthene	<0.01	<0.01	<0.01
benzo[k]fluoranthene	<0.02	<0.02	<0.03
benzo[e]pyrene	0.06	<0.02	<0.03
benzo[a]pyrene (BaP)	**<0.28**	**<0.27**	**<0.28**
indeno[1,2,3-c,d]pyrene	<0.12	<0.12	<0.12
dibenzo[a,h]anthracene	<0.13	<0.13	<0.13
benzo[ghi]perylene	0.16	0.03	0.02
anthanthrene	<0.10	<0.10	<0.10
dibenzo[a,l]pyrene	<0.33	<0.31	<0.32
dibenzo[a,e]pyrene	<0.35	<0.33	<0.34
dibenzo[a,i]pyrene	<0.10	<0.10	<0.10
dibenzo[a,h]pyrene	<0.10	<0.10	<0.10
coronene	<0.10	<0.10	<0.10
PAH 4 SUM Upper	**0.57**	**0.55**	**0.57**
PAH 4 SUM Lower	**<0.01**	**<0.01**	**<0.01**

4.7 Heavy Metals

		Concentration [mg/kg]			
Fera Reference	**Batch Number**	Arsenic	Cadmium	Mercury	Lead
S20-046500_A	**2005001**	<0.01	<0.005	<0.01	<0.01
S20-046500_B		<0.01	<0.005	<0.01	<0.01
S20-046500_C		<0.01	<0.005	<0.01	<0.01
S20-046501_A	**2006003**	<0.01	<0.005	<0.01	<0.01
S20-046501_B		<0.01	<0.005	<0.01	<0.01
S20-046501_C		<0.01	<0.005	<0.01	<0.01
S20-046502_A	**2007001**	<0.01	<0.005	<0.01	<0.01
S20-046502_B		<0.01	<0.005	<0.01	<0.01
S20-046502_C		<0.01	<0.005	<0.01	<0.01
S20-046503_A	**2004003**	<0.01	<0.005	<0.01	<0.01
S20-046503_B		<0.01	<0.005	<0.01	<0.01
S20-046503_C		<0.01	<0.005	<0.01	<0.01
S20-046504_A	**2006001**	<0.01	<0.005	<0.01	<0.01
S20-046504_B		<0.01	<0.005	<0.01	<0.01
S20-046504_C		<0.01	<0.005	<0.01	<0.01

4.8 Residual Solvents

4.8.1 Residual solvent Concentrations for S20-046500 (Batch number 2005001)

Solvent	**Concentration [mg/kg]**		
	S20-046500_A	**S20-046500_B**	**S20-046500_C**
Methanol	< 6	< 6	< 6
Ethanol	< 10	< 10	< 10
IPA	< 6	< 6	< 6
Acetone	< 6	< 6	< 6
Acetonitrile	< 6	< 6	< 6
Pentane	< 6	< 6	< 6
Diethyl ether	< 0.6	< 0.6	< 0.6
DCM	< 0.6	< 0.6	< 0.6
Hexane	< 0.6	< 0.6	< 0.6
Ethyl acetate	< 6	< 6	< 6
Chloroform	< 0.6	< 0.6	< 0.6
1,2 DCE	< 0.6	< 0.6	< 0.6

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