

Scope of analysis coffee, January 2020

Sender:



In order to provide you with an individual offer,
please let us know which analyses are of interest
to you and which sample volume you expect.

Analysis	Code	Method	LOQ	Interest in Analysis	Expected sample quantity per year
Quality Parameters					
Appearance, Odor, Flavor	310	Organoleptic		<input type="checkbox"/>	<input type="text"/>
Ash	25349	§ 64 LFGB		<input type="checkbox"/>	<input type="text"/>
Caffeine	25513	§ 64 LFGB		<input type="checkbox"/>	<input type="text"/>
Caffeine, decaffeinated green an roasted coffee	25515	§ 64 LFGB		<input type="checkbox"/>	<input type="text"/>
Caffeine, instant coffee	25516	§ 64 LFGB		<input type="checkbox"/>	<input type="text"/>
Chlorogenic acid	46500	HPLC		<input type="checkbox"/>	<input type="text"/>
Defect counting of raw coffee beans	279	Optical		<input type="checkbox"/>	<input type="text"/>
Dry matter, instant coffee	25308	Drying cabinet		<input type="checkbox"/>	<input type="text"/>
Dry matter, green coffee	25330	Drying cabinet		<input type="checkbox"/>	<input type="text"/>
Dry matter, capacitive method, green coffee	25331	capacitive method		<input type="checkbox"/>	<input type="text"/>
Dry matter, roasted coffee	25301	Drying cabinet		<input type="checkbox"/>	<input type="text"/>
Dry matter according Karl-Fischer, roasted coffee	25311	§ 64 LFGB		<input type="checkbox"/>	<input type="text"/>
Dry matter, liquid coffee extract	25309	§ 64 LFGB		<input type="checkbox"/>	<input type="text"/>
Microbiology Aerobe Mesophile, Yeasts, Moulds	51952	Microbiology		<input type="checkbox"/>	<input type="text"/>
pH-value/acidity/dry matter	32300	§ 64 LFGB		<input type="checkbox"/>	<input type="text"/>
pH-value / dry matter	32310	§ 64 LFGB		<input type="checkbox"/>	<input type="text"/>
Pollution impurities	275	Optical		<input type="checkbox"/>	<input type="text"/>
Trigonellin and N-methyl-pyridine, green / roasted coffee	41210	H-NMR		<input type="checkbox"/>	<input type="text"/>
Water-soluble extract	25380	§ 64 LFGB		<input type="checkbox"/>	<input type="text"/>

Residues / Contaminants					
Acrylamide	49060	LC-MS/MS	20 µg/kg	<input type="checkbox"/>	<input type="text"/>
Bromide (inorganic)**	77500	ICP-MS	2 mg/kg	<input type="checkbox"/>	<input type="text"/>
Chlormequat/Mepiquat*	88525	LC-MS/MS	5 µg/kg	<input type="checkbox"/>	<input type="text"/>
Elementanalysis As, including disintegration**	76280	ICP-MS	0,02 mg/kg	<input type="checkbox"/>	<input type="text"/>
Elementanalysis Pb, Cd, Hg, including disintegration**	76202	ICP-MS	0,005 – 0,05 mg/kg	<input type="checkbox"/>	<input type="text"/>
Elementanalysis, flexible scope	see list of elements in appendix			<input type="checkbox"/>	<input type="text"/>
Ethylacetate, decaffeinated coffee	13200	§ 64 LFGB	0,1 mg/kg	<input type="checkbox"/>	<input type="text"/>
Furan	13100	§ 64 LFGB	100 µg/kg	<input type="checkbox"/>	<input type="text"/>
Furan in brewed coffee	13110	§ 64 LFGB	60 µg/l	<input type="checkbox"/>	<input type="text"/>
Furan, 2-Methylfuran and 3-Methylfuran	13105	§ 64 LFGB	100 µg/kg	<input type="checkbox"/>	<input type="text"/>
Glyphosate	88509	LC-MS/MS	0,01 mg/kg	<input type="checkbox"/>	<input type="text"/>
Mineral oil residues (MOSH/MOAH)*	13061	HPLC-GC	0,5 mg/kg	<input type="checkbox"/>	<input type="text"/>
Ochratoxin A, green coffee	45112	LC-MS/MS	0,2 µg/kg	<input type="checkbox"/>	<input type="text"/>
Ochratoxin A, roasted coffee	45113	LC-MS/MS	0,2 µg/kg	<input type="checkbox"/>	<input type="text"/>
PAH* (polycyclic Pearomatic hydrocarbons)	49054	GC-MS/MS	1 µg/kg	<input type="checkbox"/>	<input type="text"/>
Pesticide-Screening* (600+ Parameters)	88500	GC-MS/MS LC-MS/MS	s. Parameter-list	<input type="checkbox"/>	<input type="text"/>
Authenticity 100 % Arabica					
16-O-Methylcafestol, green and roasted coffee	41200	NMR	50 mg/kg	<input type="checkbox"/>	<input type="text"/>
16-O-Methylcafestol, green and roasted coffee	46511	LC-MS/MS	30 mg/kg	<input type="checkbox"/>	<input type="text"/>
16-O-Methylcafestol, instant coffee	46512	LC-MS/MS	0,7 mg/kg	<input type="checkbox"/>	<input type="text"/>
General					
Declaration / label check	362			<input type="checkbox"/>	<input type="text"/>
Weight, declared weight	350	Gravimetric		<input type="checkbox"/>	<input type="text"/>
Sieve analysis, (15 min., amplitude 30), sieve 710 - 180 µm, ground coffee	25355	Sieve analysis		<input type="checkbox"/>	<input type="text"/>

Sieve analysis, (15 min., amplitude 30), sieve 300-280 µm, ground coffee	1033	Sieve analysis		<input type="checkbox"/>	<input type="text"/>
PVC / PVDC / chlorinated plastics, packaging**	70200	FTIR-ATR		<input type="checkbox"/>	<input type="text"/>
Sensory tests according to request:					
Triangle test				<input type="checkbox"/>	<input type="text"/>
Function test				<input type="checkbox"/>	<input type="text"/>
Sensory profile test				<input type="checkbox"/>	<input type="text"/>
Packages					
Basic Package Green Coffee: Dry matter, OchratoxinA, Glyphosate	36414			<input type="checkbox"/>	<input type="text"/>
Basic Package Green Coffee, decaffeinated: Dry matter, OchratoxinA, Glyphosate, Caffeine	36415			<input type="checkbox"/>	<input type="text"/>
Basic Package Roasted Coffee: Appearance/Odor/Flavor, Furan, dry matter, OchratoxinA, Acrylamide, Glyphosate	36416			<input type="checkbox"/>	<input type="text"/>
Basic Package Roasted Coffee decaffeinated: Appearance/Odor/Flavor, Furan, dry matter, OchratoxinA, Acrylamide, Glyphosate, Caffeine	36417			<input type="checkbox"/>	<input type="text"/>
Basic Package Starter-Kit Roasted Coffee: Dry matter, OchratoxinA, Acrylamide, declaration check	36418			<input type="checkbox"/>	<input type="text"/>
I am interested in analytics for other products:					
Tea				<input type="checkbox"/>	
Hemp products				<input type="checkbox"/>	
Herbs / Spices				<input type="checkbox"/>	
Honey				<input type="checkbox"/>	
<p>Methods are accredited. LOQ = limit of quantification *Sub-contracting of non-accredited work to associated laboratory **Sub-contracting of non-accredited work to a qualified subcontractor</p> <p>Depending on the analysis we need about 250 g sample material. This is an extract of our scope of analysis. We accept no liability for completeness, correctness or dateness. All analyses and services performed by QSI are subject to our General Terms and Conditions. Our General Terms and Conditions (GTC) at www.qsi-q3.de</p>					
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