

SCHEMA QC MATERIALS: PERIOD 2019-2020

| MATERIAL CODE | SUBSTRATE | PARAMETERS | COST (€) |
|---------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 12 10 | spirit drinks (ouzo) | alcoholic strength, sugars, anethole | 80 |
| 13 10 | dry red wine | alcoholic strength, density, acidity (volatile & total), SO ₂ (free & total), pH | 80 |
| 21 11 | potable water | pH, conductivity, hardness, total N, total P, TDS anions: F ⁻ , Cl ⁻ , Br ⁻ , HCO ₃ ⁻ , NO ₂ ⁻ , NO ₃ ⁻ , SO ₄ ²⁻ , PO ₄ ³⁻ cations: Na ⁺ , K ⁺ , NH ₄ ⁺ , Ca ²⁺ , Mg ²⁺ | 80 |
| 22 09 | surface water | heavy metals Ag, Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Sb, Se, Sn, Zn | 80 |
| 30 10 | food contact ceramic materials | Pb and Cd migration | 80 |
| 50 12 | automotive diesel fuel | density, flash point, sulfur, water, CFPP, pour point, kinematic viscosity, cetane index, distillation characteristics, carbon residue 10% distillation, ash, copper strip corrosion, FAME, cloud point, acid number, total contamination, lubricity (HFRR, 60 °C) | 80 |
| 51 13 | solid fuel (bituminous coal) | moisture, calorific value, ash, volatile matter, content (C, H, N, S) | 80 |
| 51 14 | solid fuel (steam coal) | moisture, calorific value, ash, volatile matter, content (C, H, N, S) | 80 |
| 52 02 | engine lubricating oils | density, TAN, TBN, flash Point (PMCC & COC), pour point, sulfur, water, kinematic viscosity (40 °C & 100 °C), viscosity index, apparent viscosity cold cranking simulator (CCS), metals (Ca, Mg, Mo, P, Zn), colour | 80 |
| 62 07 | cocoa powder | metals (As, Ca, Cd, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Zn) | 80 |
| 62 08 | lyophilized fish tissue | metals (As, Cd, Cr, Cu, Fe, Hg, Mn, Ni, Pb, Se, Zn) | 80 |
| 64 01 | corn snacks | moisture, ash, fat, carbohydrates, proteins, dietary fibre, energy value, acrylamide | 80 |
| 80 06 | bakery products | preservatives (sorbic, propionic acid) | 80 |
| 70 09 | honey | moisture, conductivity, sugars, HMF, diastase, thyme pollen | 80 |
| 90 09 | olive oil | K ₂₃₂ , K ₂₇₀ , ΔK, ΔECN ₄₂ , peroxide value, acidity, FAMES, FAEEs, waxes, stigmastadienes, sterols, diols, moisture and volatile matter, water (KF) | 80 |

CERTIFIED REFERENCE MATERIALS: PERIOD 2019-2020

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|-----------|----------------------------------------------------|-------------------------------------------------------------------------|-----|
| HRM 34 01 | ethanolic solution for breath analyzer calibration | ethanol concentration (0.52 mg/g and 3.8 g/kg) in water | 240 |
| HRM 34 5 | diesel fuel for sulfur determination | sulfur concentration (10, 15 and 1000 mg/kg) | 260 |
| HRM 34 02 | phthalate esters calibration solution | phthalates (DMP, DEP, DBP, DEP, BBP, DEHP, DOP at 2000 mg/L) in ethanol | 240 |

NOTE THAT TRANSPORT COSTS AND ANY IMPOSED TAXES ARE NOT INCLUDED IN THE PRICE