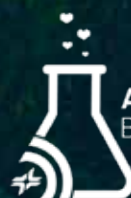




CEPSA Analytical Services Catalog



ANALYTICAL SERVICES
BEYOND THE LAB



CEPSA's Analytical Services consist of three industrial laboratories located in Huelva, San Roque and Tenerife.

These laboratories are essential for the energy transition in which we are immersed and allow us to ensure the quality of our products by complying with increasingly demanding specifications and regulations, as well as customer requirements.

We have a **complete analysis service for products** ranging from energy products for automobiles, maritime transportation, domestic consumption and aviation, to biofuels, raw materials for recyclable plastics, biodegradable detergents or asphalts. We are talking about a wide range of more than 800 different products.

With this service, we provide our customers with the tools they need to move together towards a sustainable model, the primary objective of Cepsa's new **Positive Motion** strategy.



JET

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
APPEARANCE	ASTM D 4176			X	X	X
AROMATICS [% (V/V)]	ASTM D 1319					X
ASPECT	ASTM D 6986		VISUAL	X	X	X
CETANE INDEX	ASTM D 976			X		X
COPPER CORROSION	ASTM D 130	ISO 2160		X	X	X
DENSITY @ 15°C	ASTM D 4052	ISO 12185	IP 365	X	X	X
DISTILLATION	ASTM D 86	ISO 3405		X	X	X
DISTILLATION SIMDIS	ASTM D 2887	ISO 3924		X	X	X
DOCTOR TEST	ASTM D 4952			X	X	X
ELECTRIC CONDUCTIVITY [PS/M]	ASTM D 2624			X	X	X
HYDROGEN CONTENT ESTIMATION	ASTM D 3343			X		X
HYDROGEN CONTENT	ASTM D 3701			X		X
EXISTENT GUM [MG/100ML]	ASTM D 381	ISO 6246	IP 540	X	X	X
FATTY ACID METHYL ESTER (FAME) [MG/KG]			IP 585 / IP 599	X	X	X
FILTRATION TIME			MIL-DTL-83133	X		X
FLASH POINT ABEL TEST [°C]		ISO 13736	IP 170	X	X	X
FLASH POINT BY PENSKY-MARTENS [°C]	ASTM D 93			X	X	X
FREE WATER			CAPSULA SHELL	X	X	X
FREEZING POINT [°C]	ASTM D 2386			X	X	X
FREEZING POINT [°C]	ASTM D 5972			X	X	X
MEASUREMENT OF FUEL SYSTEM ICING INHIBITORS	ASTM D 5006			X		X
MERCAPTAN SULPHUR (W/W)%]	ASTM D 3227			X	X	X
NAPHTHALENES [% (V/V)]	ASTM D 1840			X	X	X
NET HEAT COMBUSTION [MJ/KG]	ASTM D 3338			X	X	X
PARTICLE COUNTING			IP 565	X	X	X

JET

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
PARTICULATE CONTAMIN [MG/L]	ASTM D 5452			X	X	X
SAYBOLT COLOR	ASTM D 6045			X	X	X
SMOKE POINT [MM]	ASTM D 1322			X	X	X
SULPHUR CONTENT	ASTM D 4294			X	X	X
THERM.OXID. STAB 260°C AND 275°C	ASTM D 3241			X	X	X
TOTAL ACIDITY [MG KOH/G]	ASTM D 3242			X	X	X
TOTAL AROMATICS [% (V/V)]	ASTM D 6379			X	X	X
VISCOSITY AT -20°C [MM2/S]	ASTM D 445	ISO 3104		X	X	X
VISUAL INSPECTION PROCEDURES IN AVIATION FUELS	ASTM D 6986					X
WATER SEPARATION CHARACTERISTICS	ASTM D 7224			X		X
WATER SEPARATION INDEX MSEP	ASTM D 3948			X	X	X
WATER TOLERANCE	ASTM D 1094			X	X	X
BIOGENIC CARBON CONTENT	ASTM D 6866	DIN 51637			X	

GASOIL

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
APPEARANCE	ASTM D 4176			X	X	X
AROMATIC HYDROCARBON TYPES HPLC %(M/M)	ASTM D 6591		IP 391 / UNE-EN 12916	X	X	X
ASHES [(W/W)%]	ASTM D 482	ISO 6245		X	X	X
ASTM COLOR	ASTM D 1500			X	X	X
CARBON RESIDUE	ASTM D 4530	ISO 10370		X	X	X
CETANE INDEX	ASTM D 4737	ISO 4264		X	X	X
CETANE NUMBER	ASTM D 7668		EN 17155 / IP 613	X	X	
CLOUD POINT	ASTM D 2500		UNE-EN 23015	X	X	X
COLD FILTER PLUGGING POINT	ASTM D 6371		IP 309 / UNE-EN 116	X	X	X
COPPER CORROSION	ASTM D 130	UNE-EN ISO 2160		X	X	X
DENSITY @ 15°C	ASTM D 4052	ISO 12185	IP 365	X	X	X
DISTILLATION	ASTM D 86	ISO 3405		X	X	X
FAME CONTENT	ASTM D 7068		UNE-EN 14078	X	X	X
FBT (FILTER BLOCKING TENDENCY)			IP 387	X		
FLASH POINT	ASTM D 93	EN ISO 2719		X	X	X
LUBRICITY	ASTM D 6079	UNE-EN ISO 12156		X	X	X
OXIDATION STABILITY GR/M3	ASTM D 2274	UNE-EN ISO 12205		X	X	X
OXIDATION STABILITY 110°C		UNE-EN ISO 15751	UNE-EN 14112	X	X	X
PARTICULATE CONTENT			UNE-EN 12662	X	X	X
DISTILLATION SIMDIS	ASTM D 2887	ISO 3924	IP 406	X	X	X
SULPHUR CONTENT	ASTM D 5453	EN ISO 20846		X	X	X
UPPER POUR POINT	ASTM D 5950	ISO 3016		X	X	X
VISCOSITY @ 40°C	ASTM D 445	ISO 3104		X	X	X
WATER BY KARL FISCHER	ASTM D 6304	UNE-EN ISO 12937		X	X	X
BIOGENIC CARBON CONTENT	ASTM D 6866	DIN 51637			X	

GASOLINE

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
APPEARANCE	ASTM D 4176		VISUAL	X	X	X
COLOUR			VISUAL	X	X	X
COPPER CORROSION	ASTM D 130	UNE-EN ISO 2160		X	X	X
DENSITY @ 15°C	ASTM D 4052	ISO 12185	IP 365	X	X	X
DISTILLATION	ASTM D 86	ISO 3405		X	X	X
DVPE (VAPOR PRESSURE)	ASTM D 5191	ISO 13016		X	X	X
EXISTENT/WASHED GUMS MG/100ML	ASTM D 381	ISO 6246	IP 540	X	X	X
HYDROCARBON TYPES		ISO 22854		X	X	X
INDUCTION PERIOD	ASTM D 525	UNE EN ISO 7536		X	X	X
LEAD	ASTM D 3237	UNE EN ISO 237	UOP 350 / IP 224	X	X	X
MANGANESE			EN 16136	X	X	
MON	ASTM D 2700			X	X	X
OXYGENATED COMPOUNDS		ISO 22854		X	X	X
POTENCIAL GUMS MG/100ML (AVGAS)	ASTM D 873					X
RON	ASTM D 2699			X	X	X
SULPHUR CONTENT	ASTM D 5453	ISO 20846		X	X	X
BIOGENIC CARBON CONTENT	ASTM D 6866	DIN 51637			X	

FUEL OIL

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
AGEING TOTAL SEDIMENT COMPATIBILITY [(W/W)%]		ISO 10307-2		X	X	X
ALUMINIUM+ SILICON [MG/KG]			IP 501	X	X	X
AROMACITY INDEX CCAI		ISO 8217		X	X	X
ASHES [(W/W)%]	ASTM D 482	ISO 6245		X	X	X
ASPHALTENES [(W/W)%]			IP 143	X	X	X
CALCIUM [MG/KG] ULO'S			IP 501	X		X
CALORIFIC VALUE		UNE EN ISO 8217		X	X	X
COLOUR			VISUAL	X	X	X
COMPATIBILITY (SPOT TEST)	ASTM D 4740			X	X	X
DENSITY @ 15°C	ASTM D 4052	ISO 12185	IP 365	X	X	X
FLASH POINT BY PENSKY-MARTENS [°C]	ASTM D 93	EN ISO 2719		X	X	X
HYDROGEN SULFIDE			IP 570	X	X	X
MICRO CARBON RESIDUE [(W/W)%]	ASTM D 4530	ISO 10370		X	X	X
NICKEL [MG/KG]			IP 501			X
PHOSPHORUS [MG/KG] ULO'S			IP 501	X		X
SODIUM [MG/KG]			IP 501	X	X	X
STABILITY FUEL OIL (SPOT TEST)	ASTM D 4740			X	X	X
SULPHUR CONTENT	ASTM D 4294	ISO 8754		X	X	X
TOTAL ACID NUMBER [MG KOH/G]	ASTM D 664			X	X	X
TOTAL SEDIMENT ACCELERATED [(W/W)%]		ISO 10307-2		X	X	X
TOTAL SEDIMENT COMPATIBILITY [(W/W)%]		ISO 10307-1		X	X	X
TOTAL EXISTENT SEDIMENTS [(W/W)%]		ISO 10307-1		X	X	X
TOTAL SEDIMENT POTENTIAL [(W/W)%]		ISO 10307-2		X	X	X
UPPER POUR POINT	ASTM D 97				X	X
UPPER POUR POINT	ASTM D 5950	ISO 3016		X	X	X

FUEL OIL

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
VANADIUM [MG/KG]			IP 501	X	X	X
VISCOSITY @ 50°C	ASTM D 445	ISO 3104		X	X	X
WATER AND SEDIMENTS [% (V/V)]	ASTM D 1796			X	X	X
WATER BY DISTILLATION [% (V/V)]	ASTM D 95			X	X	X
ZINC [MG/KG] ULO'S			IP 501	X		X

LPG’S (LIQUIFIED PETROL GAS)

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
AMMONIA			COLORIMETRIC TUBE	X	X	
ARSINE			COLORIMETRIC TUBE	X	X	
BASIC NITROGEN			COLORIMETRIC TUBE	X	X	
CALORIFIC VALUE	ASTM D 3588			X	X	X
CARBON OXIDES			GC	X		
CARBONYL SULFIDE			GC	X		
COMPOSITION (PROPANE & BUTANE)	ASTM D 2712	UNE EN ISO 27941		X	X	X
COPPER CORROSION	ASTM D 1838			X	X	X
DENSITY @ 15°C	ASTM D 2598		ASTM D3588	X	X	X
DOCTOR LPG	ASTM D 4952			X	X	X
HUMIDITY	ASTM D 2713		SHAW DEW POINT	X	X	
HYDROGEN			GC	X		
HYDROGEN SULFIDE	ASTM D 2420		COLORIMETRIC TUBE	X	X	X
METHANOL AND KETONES			GC	X	X	
MON	ASTM D 2598			X	X	
ODOR LPG				X	X	X
OIL NUMBER	ASTM D 2158			X	X	
OXYGEN			GC	X		
PROPYLENE COMPOSITION	ASTM D 2712		GC	X	X	
RESIDUES	ASTM D 2158			X	X	X
R-NUMBER	ASTM D 2158			X	X	
SULPHUR CONTENT	ASTM D 6667			X	X	X
VAPOR PRESSURE X°C	ASTM D 2598			X	X	X
VOLATILITY	ASTM D 1837			X	X	X
WATER	ASTM D 2713				X	X

LPG’S (LIQUIFIED PETROL GAS)

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
WATER BY KARL FISCHER	ASTM D 7995			X	X	

WATER

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
AMMONIA NITROGEN			SPECTROPHOTOMETRY	X	X	X
AMMONIUM			SPECTROPHOTOMETRY	X	X	X
BENZENE, PPM			GC	X		
CALCIUM			ICP	X	X	
CHLORIDES			SPECTROPHOTOMETRY	X	X	X
CONDUCTIVITY	ASTM D 1125			X	X	X
DBO5 (BIOLOGICAL OXYGEN DEMAND)			SM 5210			X
DQO	ASTM D 1252		SM 5220		X	
FLUORIDES			SM 4500F C	X	X	X
FREE CHLORINE			SPECTROPHOTOMETRY	X		X
HYDROCARBON INDEX		ISO 9377-2		X	X	
IRON			SPECTROPHOTOMETRY /ICP	X	X	
NON-POLAR HYDROCARBONS			I.R. / SM5520	X		X
OIL AND FATS			I.R. / SM5520	X	X	X
PH	ASTM D 1293			X	X	X
PHENOLS		UNE EN14402	SPECTROPHOTOMETRY	X	X	X
PHOSPHATES			SPECTROPHOTOMETRY	X	X	X
PHOSPHATES			SM 4500P E	X	X	X
SILICA			SPECTROPHOTOMETRY /ICP	X		
SODIUM			AA	X	X	
SULPHIDES			SPECTROPHOTOMETRY	X	X	X
SUSPENDED SOLIDS			SM 2540 D	X	X	X
TA			RODIER	X		X
TAC			RODIER	X		X
TH			RODIER	X		X

WATER

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
TOC			SPECTROPHOTOMETRY / SM 5310 B	X	X	
TOTAL NITROGEN		EN 12260	SPECTROPHOTOMETRY	X	X	X

MGO (MARINE GASOIL)

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
APPEARANCE			VISUAL	X	X	X
ASHES [(W/W)%]	ASTM D 482	ISO 6245		X	X	X
ASTM COLOR	ASTM D 1500			X	X	X
COLD FILTER PLUGGING POINT		EN 116		X	X	X
CETANE INDEX	ASTM D 4737	ISO 4264		X	X	X
CLOUD POINT	ASTM D 2500	EN 23015		X	X	X
COPPER CORROSION	ASTM D 130	ISO 2160		X	X	X
DENSITY @ 15°C	ASTM D 4052	MGO	IP 365	X	X	X
DISTILLATION	ASTM D 86	ISO 3405		X	X	X
FBT (FILTER BLOCKING TENDENCY)			IP 387			
FLASH POINT BY PENSKY-MARTENS [°C]	ASTM D 93	ISO 2719		X	X	X
HYDROGEN SULFIDE			IP 570	X	X	X
LUBRIC(WSD 1,4) 60°C [MICRAS]		ISO-12156-1		X	X	X
MICRO CAR.RES. (10%R) [(W/W)%]	ASTM D 4530	ISO 10370		X	X	X
OXIDATION STAB. 16H [G/M3]	ASTM D 2274	ISO 12205		X	X	X
PUNTO DE ANILINA	ASTM D 611			X	X	
SULPHUR CONTENT	ASTM D 4294	ISO 8754		X	X	X
TOTAL ACID NUMBER [MG KOH/G]	ASTM D 664			X	X	X
TOTAL EXISTENT SEDIMENTS		UNE EN ISO 10307-1				X
UPPER POUR POINT	ASTM D 5949				X	
UPPER POUR POINT	ASTM D 5950			X		X
VISCOSITY AT 40°C [MM2/S]	ASTM D 445	ISO 3104		X	X	X
WATER		UNE EN ISO 3733				X

NAPHTA

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
AROMATICS [% (V/V)]			GC	X	X	X
CHLORIDE [PPM WT]	ASTM D 7536				X	
CHLORIDE [PPM WT]	ASTM D 7359		UOP 588	X		
COPPER CORROSION	ASTM D 130	UNE-EN ISO 2160		X	X	X
DENSITY @ 15°C	ASTM D 4052	ISO 12185	IP365	X	X	X
DISTILLATION	ASTM D 86	ISO 3405		X	X	X
HYDROGEN SULFIDE [PPM WT]			UOP 163	X	X	X
LEAD [PPB WT]			UOP 350	X	X	
MERCAPTAN SULPHUR [PPM WT]	ASTM D 3227			X	X	X
NAPHTHENES [% (V/V)]			GC	X	X	X
NAPHTHENES+ AROMATICS [% (V/V)]			GC	X	X	X
NITROGEN [PPM WT]	ASTM D 4629			X	X	
OLEFINS [% (V/V)]			GC	X	X	X
OXYGENATES:MTBE+ ETBE [PPM VOL]			GC	X	X	X
PARAFFINS [% (V/V)]			GC	X	X	X
RESEARCH OCTANE NUMB		EN 25164			X	
SAYBOLT COLOUR	ASTM D 6045			X	X	X
SULPHUR CONTENT	ASTM D 4294	ISO 8754		X	X	X
DVPE	ASTM D 5191	ISO 13016		X	X	X

CHEMICALS

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
ACID WASH COLOUR	ASTM D 848			X	X	
ACIDITY	ASTM D 847			X	X	
APPEARANCE	ASTM D 4176			X	X	
AROMATICS & NON AROMATICS	ASTM D 7504			X	X	
ASHES [(W/W)%]	ASTM D 482	ISO 6246			X	
BASIC NITROGEN			GULF 980		X	
BENZENE	ASTM D 7504			X	X	
BROMINE INDEX	ASTM D 2710		ASTM D 5776	X	X	
C8+	ASTM D 5134			X	X	
CARBONYL NUMBER [MG/KG]			UOP 624		X	
CHLORIDES	ASTM D 7359		UOP 588/779	X	X	
CICLOHEXANE COMPOSITION	ASTM D 7266				X	
COMPOSITION	ASTM D 7504			X	X	
COPPER CORROSION	ASTM D 849			X	X	
DENSITY @ 15°C	ASTM D 4052	ISO 12185	IP365	X	X	
DISTILLATION	ASTM D 850			X	X	
DOCTOR TEST	ASTM D 235			X	X	
HIDROXYACETONE			GC		X	
IRON			ICP		X	
M-XILENE	ASTM D 7504			X	X	
NON AROMATICS	ASTM D 7504			X	X	
NON VOLATILE MATTER	ASTM D 1353			X	X	
XYLENE	ASTM D 7504			X	X	
PHENOL	ASTM D 3160				X	
PHENOL COMPOSITION			GC		X	

CHEMICALS

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
PT/CO COLOUR	ASTM D 6045			X	X	
P-XILENE	ASTM D 7504			X	X	
SAYBOLT COLOR	ASTM D 6045			X	X	
SOLIDIFICATION POINT	ASTM D 6875		BASF 3230		X	
SULFUR COMPOUNDS	ASTM D 853			X	X	
SULPHONATION TEST (SAD)					X	
SULPHUR CONTENT	ASTM D 5453	EN ISO 20846		X	X	
TOLUENE	ASTM D 7504			X	X	
TOTAL NITROGEN	ASTM D 4629			X	X	
WATER			VISUAL	X	X	
WATER BY KARL FISCHER	ASTM D 6304	UNE-EN ISO 12937	ASTM D 4928	X	X	
WATER MISCIBILITY	ASTM D 1722				X	

SOLVENTS

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
ACID WASH COLOR	ASTM D 848			X	X	
ACIDITY	ASTM D 847			X	X	
ACIDITY AS ACETIC ACID	ASTM D 1613				X	
APPEARANCE	ASTM D 4176			X	X	
AROMATICS	ASTM D 7504			X		
AROMATICS HPLC	ASTM D 6379			X		
BENZENE	ASTM D 7504		ASTM D 2600	X		
BENZENE & AROMATICS			GC	X		
BROMINE INDEX	ASTM D 2710		ASTM D 5776	X		
COMPOSITION	ASTM D 5134			X	X	
COPPER CORROSION	ASTM D 130	UNE-EN ISO 2160	ASTM D849	X	X	
DENSITY @ 15°C	ASTM D 4052	ISO 12185	IP 365	X	X	
DISTILLATION SIMDIS	ASTM D 2887	ISO 3924		X		
DISTILLATION	ASTM D 86	ISO 3405		X		
DISTILLATION	ASTM D 1078			X	X	
DOCTOR TEST	ASTM D 4952		ASTM D 235	X		
EVAPORATION RESIDUES	ASTM D 1353			X	X	
FLASH POINT	ASTM D 93	EN ISO 2719		X		
KAURI-BUTANOL INDEX	ASTM D 1133			X		
NAPHTHALENES			GC	X		
NON VOLATILES	ASTM D 1353			X		
NON AROMATICS	ASTM D 6563				X	
PERMANGANATE TIME	ASTM D 1363				X	
PT/CO COLOUR	ASTM D 1209			X	X	
SAYBOLT COLOR	ASTM D 6045			X	X	

SOLVENTS

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
SULPHUR COMP.	ASTM D 853			X	X	
SULPHUR CONTENT	ASTM D 5453	EN ISO 20846		X	X	
TOTAL NITROGEN	ASTM D 4629			X	X	
WATER BY KARL FISCHER	ASTM D 4928				X	

LUBRICANTS

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
AIR RELEASE	ASTM D 3427			X		
APPEARANCE	ASTM D 4176			X		
ASTM COLOUR	ASTM D 1500			X		
BASE NUMBER (TBN)	ASTM D 2896			X		
CARBON RESIDUE	ASTM D 4530	ISO 10370		X		
CRACKLE			VISUAL	X		
DEMUSIBILITY	ASTM D 1401			X		
DENSITY @ 15°C	ASTM D 4052	ISO 12185	IP 365	X		
ESPECTRO FTIR				X		
FLASH POINT	ASTM D 93	EN ISO 2719		X		
FLASH POINT°C CLEVELAND	ASTM D 92	EN ISO 22592		X		
FOAMING	ASTM D 892			X		
FURFURAL			MM-655	X		
METALS EDXRF	ASTM D 6481			X		
METALS ICP	ASTM D 4951			X		
METALS WDXRF	ASTM D 6443			X		
METALS WDXRF	ASTM D 4927			X		
NOACK VOLATILITY			DIN 51581 / CEC L-40-A-93	X		
ODOR			AMS 1695	X		
OVERNIGHT CLOUD			MM-1345	X		
RUST PREVENTING	ASTM D 665			X		
SULPHATED ASH	ASTM D 874			X		
SULPHATED CONTENT	ASTM D 4294	ISO 8754		X		
TAN / SAN	ASTM D 664			X		
TOTAL NITROGEN	ASTM D 4629			X		

LUBRICANTS

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
UPPER POUR POINT	ASTM D 5950	ISO 3016		X		
UPPER POUR POINT PHASE	ASTM D 5949			X		
VISCOSITY @ 100°C	ASTM D 445	ISO 3104		X		
VISCOSITY @ 40°C	ASTM D 445	ISO 3104		X		
VISCOSITY BROOKFIELD	ASTM D 2983			X		
VISCOSITY CCS	ASTM D 5293			X		
VISCOSITY HTHS @ 150°C	ASTM D 5481		SAE J 300	X		
VISCOSITY INDEX	ASTM D 2270			X		
VISCOSITY MRV	ASTM D 4683			X		
WATER BY KARL FISCHER	ASTM D 6304	UNE-EN ISO 12937		X		

CRUDE

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
DENSITY @ 15°C	ASTM D 4052	ISO 12185	IP 365	X	X	X
DISTILLATION SIMDIS				X	X	X
HG (MERCURY)			UOP 398		X	
REFRACTIVE INDEX	ASTM D 1218			X	X	
SALTS	ASTM D 3230			X	X	
SEDIMENTS	ASTM D 473			X	X	X
SULPHUR CONTENT	ASTM D 4294			X	X	X
TOTAL ACID NUMBER [MG KOH/G]	ASTM D 664			X	X	X
UPPER POUR POINT	ASTM D 97				X	X
UPPER POUR POINT	ASTM D 5950	ISO 3016		X	X	X
VISCOSITY @ 40°C	ASTM D 445	ISO 3104		X	X	X
WATER AND SEDIMENTS [% (V/V)]	ASTM D 1796		ASTM D 4007	X	X	X
WATER BY KARL FISCHER	ASTM D 6304	UNE-EN ISO 12937		X	X	X
CHLORIDE NAPHTA FRACTION	ASTM D 4929				X	

BETUN

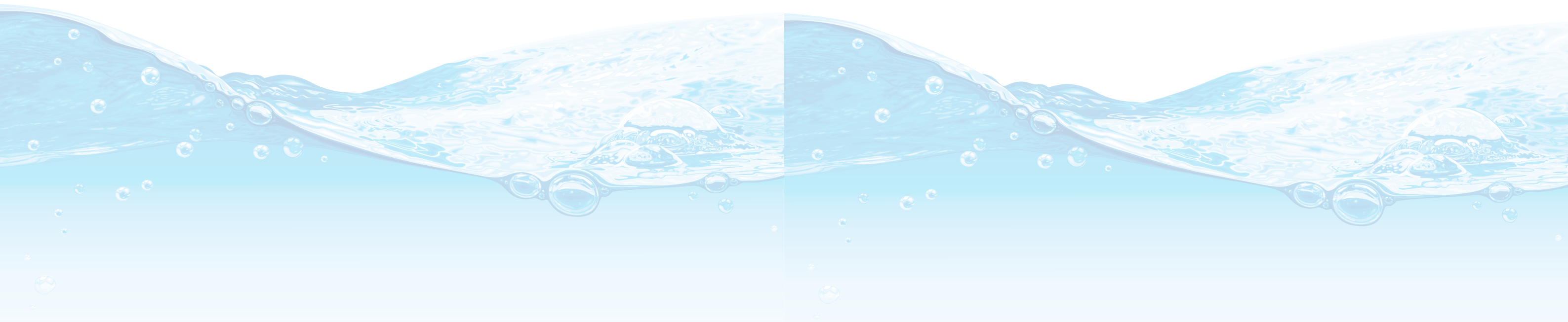
TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
COC FLASH POINT [°C] CLEVELAND	ASTM D 92	EN ISO 22592		X	X	X
DENSITY @ 15°C	ASTM D 70		CALCULATED	X	X	X
DENSITY @ 25°C	ASTM D 4052	ISO 12185	IP 365		X	X
DUCTILITY 25°C		EN 13589			X	X
EFFECT OF HEAT AND AIR ON ASPHALTIC MATERIAL TFOT [(W/W)%]	ASTM D 1754				X	X
FRAASS BREAKING POINT [°C]		EN 12593			X	X
LOSS ON HEATING RTFOT [(W/W)%]		EN 12607-1			X	X
PENETRATION AT 25°C [MM/10]		EN 1426		X	X	X
PENETRATION INDEX		EN 12591			X	X
RETAINED PENETRATION [%]		EN 12607			X	X
SOFT.POINT INC. RTFO [°C]		EN 12607			X	X
SOFTENING POINT [°C]		EN 1427			X	X
SOLUBILITY [(W/W)%]		EN 12592			X	X
SPECIFIC GRAV.25/25C		EN ISO 3838			X	X
VISCOSIDAD	ASTM D 445	EN UNE 13302			X	
VISCOSITY BROOKFIELD	ASTM D 2983				X	

LAB (LINEAR ALKYL BENZENE)

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
ACID WASH COLOR			EM 07203	X		
APPEAREANCE			VISUAL	X		
BROMINE INDEX	ASTM D 2710			X		
DENSITY @ 15°C	ASTM D 4052			X		
DENSITY @ 20°C	ASTM D 4052			X		
LAB DISTRIBUTION			UOP 673	X		
SAYBOLT COLOUR	ASTM D 6045			X		
TETRALINES HPLC			EN 13405	X		
WATER BY KARL FISCHER			UOP 481	X		

LAS (LINEAR ALKYL BENZENE SULFONATES)

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
ACIDITY INDEX			CQPM LC 802.1	X		
ACTIVE MATTER IN LAS			CQPM LC 802.7	X		
FREE OIL IN LAS			CQPM LC 802.5	X		
FREE SULFURIC ACID IN LAS			CQPM LC 802.2	X		
KLETT COLOR (5% MA)			CQPM LC 802.4	X		
MEAN MOLECULAR MASS			UOP 673	X		
TOTAL COM-POUNDS LAS (%M/M)			CQPM LC 802.7	X		
TRANSMITTANCE			PG60039259/ LC 802	X		
WATER KARL FISCHER	ASTM D 6304	ISO 12937		X		



N-PARAFFINS

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
BROMINE INDEX	ASTM D 2710			X		
DENSITY @ 15°C	ASTM D 4052			X		
DISTRIBUTION			CQPM LC 402	X		
N-PARAFFINS			UOP 411	X		
SAYBOLT COLOR	ASTM D 6045			X		

FAME (FATTY ACID METHYL ESTER)

TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
ACID NUMBER	ASTM D 664		EN 14104	X	X	X
ASTM COLOR	ASTM D 1500			X	X	X
CALCIUM + MAGNESIUM			EN 14538	X	X	X
CETANE NUMBER	ASTM D 7668			X	X	
CLOUD POINT	ASTM D 5772			X	X	X
COLD FILTER PLUGGING POINT			EN 116	X	X	X
COPPER CORROSION	ASTM D 130			X	X	X
DENSITY @ 15°C			EN 12185	X	X	X
SULPHUR CONTENT			EN ISO 20846	X	X	X
FLASHPOINT BY PENSKY MARTENS [°C]	ASTM D 93			X	X	X
GLICERIDES			EN 14105	X		
IODINE VALUE			EN 14111	X		
WATER BY KARL FISCHER			EN ISO 12937	X	X	X
LINOLENIC ACID METHYL ESTER			EN 14103	X		
METHANOL			EN 14110	X		
METHYL ESTERS			EN 14103	X		
OXIDATION STABILITY			EN 14112	X		
PHOSPHORUS			EN 14107	X	X	X
SODIUM + POTASSIUM			EN 14538	X	X	X
SULFATED ASH TEST	ASTM D 874			X		
VISCOSITY @ 40°C			EN 16896	X	X	X



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SAN ROQUE: LABORATORIORG@CEPSA.COM



ANALYTICAL SERVICES
BEYOND THE LAB