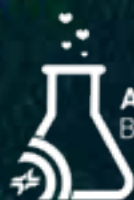




Catálogo Servicios Analíticos CEPSA



ANALYTICAL SERVICES
BEYOND THE LAB



Los **Servicios Analíticos de CEPSA** están formados por tres laboratorios industriales ubicados en Huelva, San Roque y Tenerife.

Estos laboratorios son esenciales para la transición energética en la que estamos inmersos y nos permiten asegurar la calidad de los productos cumpliendo con las especificaciones y normativas cada día más exigentes, así como con los requerimientos de los clientes.

Disponemos de un **completo servicio de análisis de productos** que van desde energéticos para automoción, transporte marítimo, consumo doméstico y aviación, hasta análisis de biocombustibles, materias primas para plásticos reciclables, detergentes biodegradables o asfaltos. Hablamos de una amplia gama de más de 800 productos distintos.

Con este servicio proporcionamos a nuestros clientes las herramientas que necesitan para avanzar juntos hacia un modelo sostenible, objetivo primordial de la nueva estrategia **Positive Motion** de Cepsa.



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

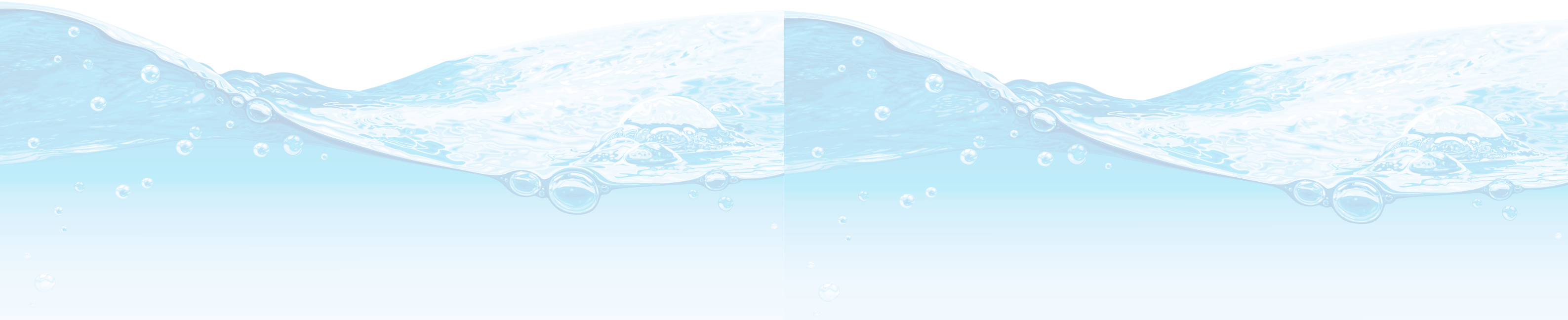
TEST	METHOD			LOCATION		
	ASTM	ISO	OTHER	SAN ROQUE	HUELVA	TENERIFE
COC FLASH POINT [°C] CLEVELAND	ASTM D 92	EN ISO 22592		X	X	X
DENSITY @ 15°C	ASTM D 70		CALCULATED	X	X	X
DENSITY @ 25°C	ASTM D 4052	ISO 12185	IP 365		X	X
DUCTILITY 25°C		EN 13589			X	X
EFFECT OF HEAT AND AIR ON ASPHALTIC MATERIAL TFOT [(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



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BEYOND THE LAB