



# Paraffin wax quality care

**moeve**



# moeve

before  **CEPSA**

We are an international company, made up of more than 11,000 people, committed to **sustainable energy and mobility**.

Our ambition is to be one of the driving forces in Europe's energy transition and to guide you on your own journey toward decarbonization.

We have 90+ years of experience, which makes us **one of the leading companies in the energy sector in Spain** and has enabled us to develop our activities across five continents.

In 2022, we launched our **Positive Motion** strategy. It positions our company as a benchmark in the energy transition.

In 2024, we became Moeve. This is a decisive step. It helps guarantee today's energy supply while focusing on **bringing together the sustainable energy of the future**.

At our San Roque plant we will cut CO<sub>2</sub> emissions by 75% compared to a traditional biofuel facility. This is thanks to the use of renewable hydrogen, 100% renewable electricity, and advanced heat recovery and energy efficiency systems. In addition, the plant is designed to achieve net zero emissions in the medium term.

This way, we provide your business with solutions that are more sustainable.

**At Moeve, we operate in an integrated way across the entire energy value chain, chasing an increasingly sustainable model.**





## Energy park & paraffin wax production

**Our company has manufactured paraffin waxes since 1976 at the Gibraltar-San Roque Energy Park. Our Base Oils & Waxes Unit is part of the Energy Park and is fully joined with its processes.**

**The Gibraltar-San Roque Energy Park opened in 1967 in a key spot for exports. Since then, it has become closely integrated with the nearby complex and other local industries, supplying them with energy products.**

**Its process units operate using technologies designed both to save energy and to ensure maximum safety for people and for the facilities.**

The Energy Park occupies an area of 1.5million m<sup>2</sup> (370 acres) and directly employs over 1,000 workers on permanent contracts. Indirectly, it also provides employment for a much larger number in connected operations.

## Gibraltar-San Roque site laboratory

**The main job of our laboratory is to uphold best practice, ensuring that the quality of testing is in accordance with specifications, standards and applicable legal requirements. In general terms, this means collecting, testing and analysing sample materials and keeping quality records.**

**Our lab operates completely independently and objectively, which means its role takes priority over other areas like manufacturing, sales, or distribution.**

To ensure technical competence, the laboratory participates annually in a series of correlation tests (round robin) to check results with other laboratories. Typical participants include IIS, INTA, DIN, AquaCheck, ERA, other customers and additional Moeve labs.



**Every year, the lab carries out around 560,000 analyses while powered by 69 highly skilled people who are passionate about delivering a precise and reliable service.**



## Automatic wax moulding

Since October 2013, Moeve's automatic wax moulding plant has been producing quality wax. Thanks to the latest processing technology, every kilo produced meets our high standards of accuracy and consistency.

The plant runs on a fully integrated wax moulding control system, with control panels in various sections. Operators can manage the system locally, while all the panels stay connected through a central communications network.

When it comes to our wax slab packing system, the process is just as advanced. Our automated case-handling machinery packs 5kg slabs into outer shipping cases, and a robotic system can also pack individual slabs into pallet cardboard boxes. From there, the cases are palletized and shrink-wrapped automatically.

## Macrocrystalline waxes

Characteristics	Astm standard	Parasur 130	Parasur 150	Parasur 206	Parasur 600
Colour Saybolt	D 156	>+30	>+30	>+30	>+30
Oil (% by weight)	D 721	1,8	0,4	0,8	1
Needle penetration 25°C (mm/10)	D 1321	22	12	16	18
Congealing point (°C)	D 938	54	58	62	68
Viscosity at 100° C (cSt)	D 445	3,8	3,9	5,2	6,8
Quality level		FDA 21 CFR 178.3710	FDA 21 CFR 178.3710	FDA 21 CFR 178.3710	FDA 21 CFR 178.3710
		FDA 21 CFR 172.886	FDA 21 CFR 172.886	FDA 21 CFR 172.886	FDA 21 CFR 172.886
		US Pharmacopoeia (USP 39)	US Pharmacopoeia (USP 39)	US Pharmacopoeia (USP 39)	US Pharmacopoeia (USP 39)
		EU Pharmacopoeia (Ph. Eur 8.0)	EU Pharmacopoeia (Ph. Eur 8.0)	EU Pharmacopoeia (Ph. Eur 8.0)	EU Pharmacopoeia (Ph. Eur 8.0)

INCI name: PARAFFIN

typical values

## Microcrystalline waxes

Characteristics	Astm standard	Cerasur 725	Cerasur 725 D
Colour Saybolt	D 6045	+12	>+30
Oil (% by weight)	D 721	1,0	0,4
Needle penetration 25°C (mm/10)	D 1321	18	12
Congealing point (°C)	D 938	73	58
Viscosity at 100° C (cSt)	D 445	14,5	3,9
Quality level		FDA 21 CFR 178.3710	FDA 21 CFR 178.3710
		FDA 21 CFR 172.886	FDA 21 CFR 172.886
		US Pharmacopoeia (USP 39)	US Pharmacopoeia (USP 39)
		EU Pharmacopoeia (Ph. Eur 8.0)	EU Pharmacopoeia (Ph. Eur 8.0)
		INS - 905 (JEFCA - CODEX)	INS - 905 (JEFCA - CODEX)
		Regulation (UE) n° 231/2012	Regulation (UE) n° 231/2012
		Cosmetics Europe n° 14	Cosmetics Europe n° 14

INCI name: HYDROGENATED MICROCRYSTALLINE WAX

typical values

## Fully hidrotreated footsoils

Characteristics	Astm standard	GEL 600
Colour Saybolt	D 156	+24
Oil (% by weight)	D 3235	50
Cone penetration 25°C (mm/10)	D 937	90
Congealing point (°C)	D 938	4,5
Viscosity at 100° C (cSt)	D 445	8,0
Quality level		FDA 21 CFR 172.886
		JEFCA 905B
		US Pharmacopoeia (USP 39)
		EU Pharmacopoeia (Ph. Eur 8.0)
		Cosmetics Europe n° 15

typical values





## R&D Center

**At Moeve, we see R&D as a driver of our sustainable growth, competitiveness, and value.** It helps us optimize our production processes, improve product quality, and strengthen our technological capabilities.

By working closely with other business units, our technology unit develops innovations to build a competitive position for Moeve introducing improvements to processes and products and achieving cost savings.

The Moeve Research Centre has built up great experience running Pilot Plants. **Our facilities evaluate catalysts and processes and analyse the chemical and physical properties of products.**

One of the research centre's greatest advantages is a fully equipped laboratory with multiple Pilot Plants. It operates around the clock by qualified personnel. We can work on everything from micro to bvench scale, discontinuous to continuous processes, and manual to fully automated systems.



### Moeve Research Center

- > 12.000 m2, 9.000 m2 labs.
- > More than 50 on going Research Projects.
- > **Activities in:**  
Exploration and production, Refining, Petrochemicals, Innovation.
- > **Other activities:**  
Biochemistry, Polymers, Drop-in Chemicals, Biofuels.



### Staff 70 people

- > 70% University studies
- > 25% Technical Degree
- > 5% non technical staff
- > 8 PhD



## HSE

**At Moeve, safety is a core value that covers everything we do: our people, our operations, and our products.** We make sure safety is built into the everyday activities of all our business units, and we're committed to the safety of our employees.

The culture of safety, set out in our Policy on Health & Safety at Work, is further developed in the Basic Rules for the Prevention of Risks in the Workplace, and includes a focus on the safety of people and plant and equipment; the analysis of risks, the management of changes in processes, organization and products; and the participation of all personnel in prevention.

Similarly, Moeve's Code of Ethics and Conduct says that, with the objective of preventing and minimizing hazard and accidents at work, employees must be constantly aware of safety and observe with particular attention the rules of health and safety in the workplace as well as those relevant to the protection of the environment.

When it comes to the environment, we know that the nature of our activities entails responsibility for the context in which we operate. So, **we're committed to reducing environmental impact to the minimum, and we've implemented a range of mechanisms to deliver on this promise.**

## Regulations & Certifications

**Paraffin waxes are complex mixtures of many substances extracted from petroleum.** Solid at room temperature, they're used to make a wide variety of products. They're inert, impermeable, shiny, biodegradable, and non-toxic.

**Moeve produces a balanced line of wax products at the Gibraltar-San Roque Energy Park.** Our hydro-treated paraffin waxes meet applicable Food and Drug Administration (FDA) requirements for food, personal care and cosmetic related uses in 21 CFR172.886 and 21 CFR 178.3710. They contain a 21 CFR 172.115 approved oxidation inhibitor.

**They are safe for direct contact with food and use in cosmetics.** On top of the FDA specs, our heavily hydrotreated waxes meet the most important regulations around the world, such as the European Union regulations currently in force, USP Food Chemical Codex, JECFA Codex, US Pharma, EU Pharma, Colipa, etc. Our hydrogenated products are also Halal and Kosher certified.

## Quality

**At Moeve, we're committed to delivering quality products and services you can count on** quickly and efficiently. In addition, as we create value, we ensure our products are used safely and with care for the environment.

**Innovation is at the heart of our work,** and our goal is to nurture a company-wide culture that sparks creativity and turns ideas into solutions that benefit both our business and yours.

We're proud to operate under an integrated management system with the following certifications: **ISO 9001 (Quality Management)**, applicable to our certified production facilities; **European Scheme EMAS; ISO 14001 (Environmental Management); ISO 50001 (Energy Management); UNE EN ISO 45001; ISO 22000 / FSSC 22000 (Food Safety Management)**, exclusively applicable to our **San Roque (Cádiz) site.** We follow recognized **Good Manufacturing Practices (GMP)**, a strict set of procedures to make sure we meet compliance standards and keep our products free from contamination.

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
 CERTIFICATE OF HALAL PRODUCTS  
 Ref. Nr. EuroHalal /2025 - 040



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