

Industrial-Grade Raw Coal Tar – ASTM Compliant

Product Identification

- **Product Name:** Crude Coal Tar
 - **Product Type:** Raw, High-Viscosity Coal Tar
 - **CAS Number:** 8007-45-2
 - **HS Code:** 27060000
 - **UN Number:** UN 1999
 - **Origin:** Iran
 - **Producer:** PetroGold Bitumen Refinery – Fully Integrated
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Product Description

Crude Coal Tar is a **viscous black liquid** obtained as a by-product from the carbonization of coal at high temperatures in coke ovens. It is an aromatic-rich, highly dense chemical compound composed of hundreds of hydrocarbons, including **polycyclic aromatic hydrocarbons (PAHs)**, phenols, and other tar acids. This unrefined product is a **feedstock for multiple industries**, particularly in the production of **creosote oils, pitch, naphthalene, and carbon black**.

★ Key Characteristics

- Highly viscous and thermally stable
- Rich in PAHs, phenols, and aromatic hydrocarbons
- Excellent adhesive and waterproofing base
- Suitable for fractional distillation and chemical derivation

Technical Specifications

Property	Test Method	Unit	Typical Value	Specification
Specific Gravity @ 25°C	ASTM D70	–	1.18	1.15 – 1.25
Water Content	ASTM D95	% wt.	2.5	Max 5
Softening Point (R&B)	ASTM D36	°C	35	30 – 50
Ash Content	ASTM D482	% wt.	0.5	Max 1
Toluene Insoluble Content	ASTM D4072	% wt.	18	15 – 25
Benzene Content	GC-MS	% vol.	0.7	Max 1.0
Polycyclic Aromatic Hydrocarbons (PAHs)	GC-MS	% wt.	35	–
Viscosity @ 100°C	ASTM D2171	cSt	1800	1500 – 2000
Distillation Residue (360°C+)	ASTM D1160	% wt.	50	≥ 45

Applications

- Raw material for **coal tar pitch** manufacturing
- Feedstock for **creosote oil** in wood preservation
- Base for **electrode binder pitch** in aluminum & steel industries
- **Waterproofing and protective coatings** (after refinement)
- Intermediate for **chemical derivatives and pharmaceutical bases**

Handling & Storage

- Store in **closed, corrosion-resistant steel containers**
- Keep away from direct sunlight, flame, and oxidizers
- Recommended handling with protective gloves, eyewear, and ventilation
- Transport according to UN 1999 safety standards for flammable liquids

