



GHATREH ENERGY AVAND

QUALITY CONTROL / EXPORT DOCUMENTATION

BITUMEN QUALITY PROFILE

Certificate of Analysis • Laboratory Control • Batch Traceability



CERTIFICATE OF ANALYSIS

COA TEMPLATE • BITUMEN PENETRATION GRADE 60/70

SAMPLE / TEMPLATE

PRODUCT NAME

Bitumen Grade 60/70

REFERENCE STANDARD

ASTM / Contract Specification

DATE OF ISSUE

BATCH / LOT NUMBER

Technical Test Results

Result column to be completed from actual QC laboratory data

Test	Test Method	Unit	Specification*	Result
Specific Gravity @ 25°C	ASTM D70	-	1.01 - 1.06	—
Penetration @ 25°C (100 g, 5 s)	ASTM D5	dmm	60 - 70	—
Softening Point (Ring & Ball)	ASTM D36	°C	49 - 56	—
Ductility @ 25°C	ASTM D113	cm	Min. 100	—
Loss on Heating	ASTM D6	wt %	Max. 0.20	—
Drop in Penetration after Heating	ASTM D6 / D5	%	Max. 20	—
Flash Point (Cleveland Open Cup)	ASTM D92	°C	Min. 232	—
Solubility in Trichloroethylene	ASTM D2042	wt %	Min. 99.0	—
Spot Test	AASHTO T102	-	Negative	—

* Specification values shown are commonly used for penetration grade 60/70 and must be verified against the applicable purchase contract, national standard, and governing product specification before a final COA is issued.

VG GRADE NOTE

For viscosity grades such as VG30, include viscosity parameters such as Absolute Viscosity @ 60°C (ASTM D2171) and Kinematic Viscosity @ 135°C (ASTM D2170), in addition to the applicable quality tests.

This is to certify that the above sample has been tested and meets the specified ASTM standards.

QC Manager Signature / Stamp



QUALITY CONTROL

Structured testing, review and batch-level documentation



COA Workflow

01 Sampling

Representative sample is identified against the shipment or production batch.

02 Laboratory Testing

Applicable ASTM / AASHTO methods are performed for the target bitumen grade.

03 QC Review

Results are checked against the agreed product specification and contract requirements.

04 COA Issue

The final certificate records batch data, methods, results and QC authorization.

CORE TEST METHODS

ASTM D70 • D5 • D36 • D113 • D6 • D92 • D2042 | AASHTO T102 | VG grades: ASTM D2171 • D2170

Actual test values must come from verified laboratory results.



PACKAGING & LOADING

Visual overview for product handling and shipment presentation



JUMBO BAG STORAGE

Packed bitumen / bulk bag presentation



BULK LOADING

Tanker loading and bulk shipment presentation

DOCUMENT CONTROL POINTS

- COA prepared separately for each grade and batch / lot.
- Product name, batch number, date and reference specification must match shipment documents.
- Actual laboratory results should be entered only after testing and QC verification.
- For VG grades, viscosity requirements must be included according to the governing specification.

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