

Northstar sealed file - origin-attestation

Sealed file: C004.attestation.sealed.json

Format: northstar.origin-attestation

Made by: origin-witness 0.1.0

Sealed: 2026-10-22T13:21:23Z

Signed by (Ed25519): ecd9c705b5b732bf2bae23b0e24d7ea6e38deb1b57df290d5e36dd9255fae50d

SHA-256 of the sealed body: 2f68af6bc0a4f9fcfc176d67b9ddd238913cc1017e145bb0e46115f7e455face

Seal checked when this PDF was made: VALID

Inputs attached: 6 of 6 match the hashes in the sealed file

Attached: C004.attestation.sealed.json, attestations.csv, cargoes.csv, case.json, deliveries.csv, movements.csv, tracking.csv

To check: drop this PDF into the Northstar file checker (northstar-verify), or run

python nsio.py extract THIS.pdf --out DIR and the product's verify_*.py on the files.

These pages are for reading. The attached sealed file is what is verified.

REFINERY ATTESTATION - SIM Refinery Bravo (synthetic) (India) - cargo C004

Form: Commission FAQ 2 (15 June 2026), scenario 2. Regime checked: eu.

We, SIM Refinery Bravo (synthetic), confirm that in the 60-day period from 11/04/2026 to 09/06/2026, being the 60 days prior to the bill of lading date of MV SIM Delta Venture carrying ULSD 10 ppm for EU Port North (synthetic), we received the following crude oil deliveries:

Russian crude oil: 0 barrels

Non-Russian crude oil: 8,443,553 barrels

No Russian crude oil was received or processed in Production Line L1, from which the above cargo was produced, during this period. The petroleum products comprising this cargo were not obtained from crude oil originating in Russia.

Crude oil deliveries in the period:

D017 SIM Polar Star (IMO 0128395) Murban from Fujairah, B/L 2026-04-06, discharged

2026-04-12T10:40:15Z, 627,891 bbl, origin United Arab Emirates, CoO C00-91318

D018 SIM Meridian Dawn (IMO 0129030) Basrah Medium from Basrah, B/L 2026-04-09, discharged

2026-04-16T11:04:01Z, 748,755 bbl, origin Iraq, CoO C00-38042

D019 SIM Aegean Venture (IMO 0129730) Murban from Fujairah, B/L 2026-04-16, discharged

2026-04-21T18:43:56Z, 903,412 bbl, origin United Arab Emirates, CoO C00-62133

D020 SIM Quartz Crest (IMO 0130190) Basrah Medium from Basrah, B/L 2026-04-22, discharged

2026-04-29T11:33:57Z, 706,242 bbl, origin Iraq, CoO C00-87554

D021 SIM Coral Horizon (IMO 0131087) Arab Light from Ras Tanura, B/L 2026-04-26, discharged

2026-05-03T07:40:30Z, 921,879 bbl, origin Saudi Arabia, CoO C00-49601

D022 SIM Ember Glory (IMO 0131314) Arab Light from Ras Tanura, B/L 2026-05-03, discharged

2026-05-10T00:21:54Z, 603,391 bbl, origin Saudi Arabia

D023 SIM Zephyr Venture (IMO 0131516) Basrah Medium from Basrah, B/L 2026-05-07, discharged

2026-05-14T21:31:11Z, 919,694 bbl, origin Iraq, CoO C00-55998

D024 SIM Onyx Voyager (IMO 0131612) Arab Light from Yanbu, B/L 2026-05-10, discharged

2026-05-21T19:51:16Z, 716,379 bbl, origin Saudi Arabia, CoO C00-85126

D025 SIM Vega Pioneer (IMO 0132495) Arab Light from Yanbu, B/L 2026-05-16, discharged

2026-05-27T06:58:48Z, 999,375 bbl, origin Saudi Arabia

D026 SIM Polar Venture (IMO 0133142) Arab Light from Ras Tanura, B/L 2026-05-28, discharged

2026-06-04T08:03:15Z, 690,396 bbl, origin Saudi Arabia, CoO C00-64257

D027 SIM Coral Venture (IMO 0133304) WTI Midland from Corpus Christi, B/L 2026-04-27, discharged

2026-06-09T11:35:30Z, 606,139 bbl, origin United States, CoO C00-92879

Tank records: line L1 ran 8,181,572 bbl in the period; Russian crude 0 bbl; tank-heel residue 828 bbl (de minimis, FAQ 2).

Refinery's own check: supported.

Signed with the refinery's key; verify with verify_origin.py. Input records are identified by SHA-256.