

GHG Scope 1, 2 and 3 Audit Certificate



CERTIFICATE

Carbon Footprint 2020

according to DIN EN ISO 14064-1:2019 - Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals

The Carbon Footprint was verified by TÜV NORD CERT GmbH in accordance with DIN EN ISO 14064-3:2020 regarding its correctness and completeness for

Indorama Ventures Public Company Ltd.
 75/102, Ocean Tower 2
 28th Floor, Sukhumvit Soi 19
 Bangkok 10110
 Thailand



TÜV NORD CERT GmbH, acting as an independent Certification Body, can confirm, to a reasonable level of assurance, that the carbon footprint of Indorama Ventures Public Company Limited to be:

Emissions Source	Amount (tCO ₂ e)
Scope 1	7,035,992
Scope 2 (Location Based)	2,409,061
Scope 3 (Raw Materials)	22,082,068
Scope 3 (Electricity)	307,549
Scope 3 (Fuel)	939,869
Overall	32,774,538
Scope 2 (Market Based)	2,412,779

for the reporting period 01/01/2020–31/12/2020 (inclusive).

The company boundary encompasses all 107 operating sites globally including the wholly owned operations and subsidiaries of Indorama Ventures Public Company Limited. The emissions sources included are stationary fuel combustion, stationary fuel combustion-boiler, mobile fuel combustion, process off gas-PET, PTA, Nitrogen Production, waste water treatment (anaerobic and aerobic), re-frigerant, fire suppression equipment, electrical equipment SF6, grid electricity, third party electricity, third party heat, steam, compressed air, chilled water, cooling water, biogas and biomass combustion, raw material consumption, well to tank and transmission and distribution for purchased electricity, well to tank for fuels. The calculations have been carried out according to ISO14064-1.

Certificate Registration No. 44 776 180191
 Audit Report No. 3529 7443

[Signature]
 Certification Body
 at TÜV NORD CERT GmbH

Essen, 2021-05-20

TÜV NORD CERT GmbH Langemarckstraße 20 45141 Essen www.tuev-nord-cert.de



Glanzstoff Bohemia, Czech Republic