

Removal of nitric oxide
ISO Sensitive 22197-1:2016

Customer Name:	Farby Pigment
Customer contact:	Rafal Bielak
Sample name:	Sample A
Sample description:	white coating applied by customer

Testing conditions

Date (dd/mm/yyyy)=	07/11/2022
T (°C) =	21.0
RH (%) =	55
STP flow (L/min) =	1.46
irradiance (mW/cm²) =	1
NO supply conc. (ppm) =	1
Sample area (cm) =	5x20

Results

	Amount (μmol)	Area (%)
(i) NO supplied to the reactor	19.0	100.0
(ii) NO removed by the test piece(s)	6.0	31.3
(iii) total NO unreacted	13.0	68.7
(iv) amount of NO ₂ generated by the test piece(s)	2.8	14.7
(v) net amount of NO _x removed by the test piece(s) = ((ii)-(iv))	3.2	16.7
(vi) net amount of NO _x removed by 5cm x 10cm test piece	1.6	8.3

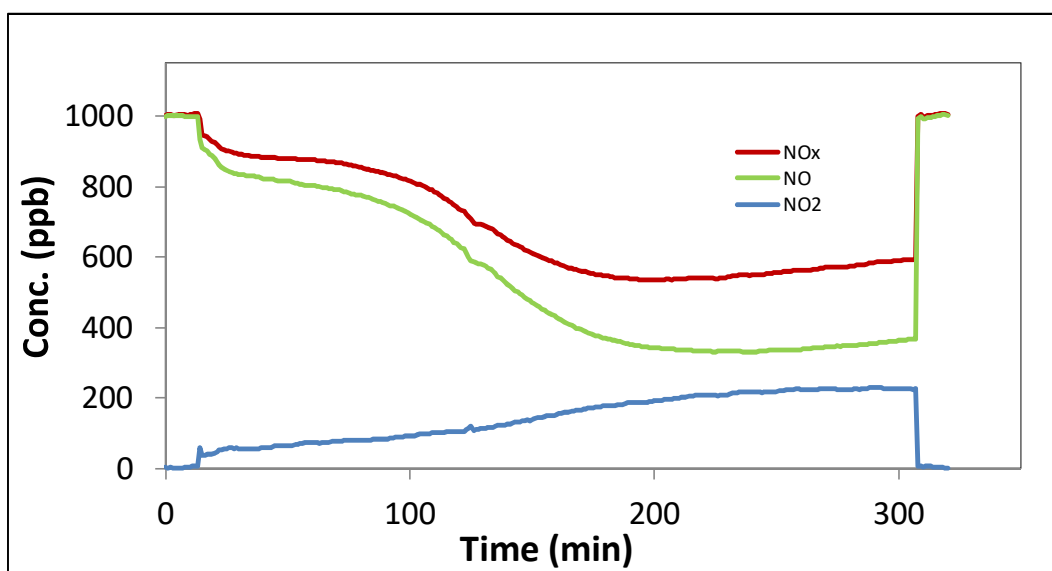


Figure : Trace of NO/NO_x/NO₂ concentration during the ISO test for tested sample.