

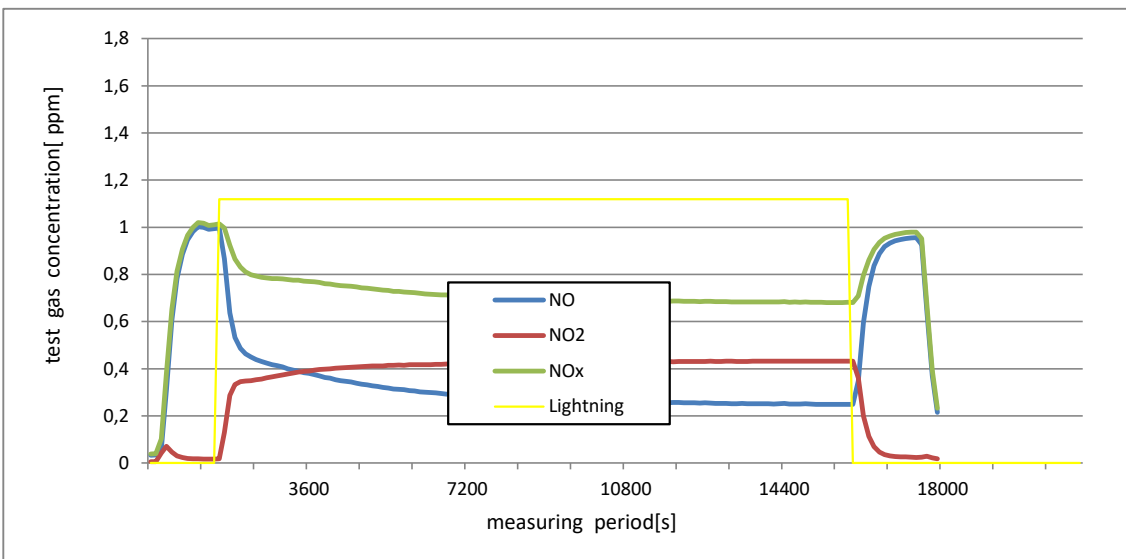
Customer: MVX Smart Disinfect GmbH
Project name: Photoment
Product test
Order number: 2830-13-E-14.1
Recipe: paving slabs with MVX

Sample ID: BW 1834236
Production date: 41. KW
Test date: 16.10.2018
Testing after: ca. 7 Tagen
Processor: Hanz

Device parameters	
Flow rate [l/min]	5
Reactor volumen [l]	25
UV-strength [mW/cm ²]	2
Distance UV-lamp[cm]	29
Reaktor Typ	CSTR

Samples an environmental data	
Sample area [cm ²]	235
Residal moisture [%]	1,5
Temperature start [°C]	25,6
Temperature end [°C]	37,0
Middle humidity [%]	43,5

Results						
	Measured values[ppm]			Decomposition rate [%]		
	NO	NO ₂	NO _x	NO	NO ₂	NO _x
Start lightning	0,9942	0,0163	1,0105	--	--	--
1h	0,3274	0,4110	0,7384	67,1	-2418,9	26,9
2h	0,2713	0,4265	0,6978	72,7	-2514,1	30,9
3h	0,2550	0,4308	0,6858	74,4	-2540,4	32,1
4h	0,2490	0,4321	0,6811	75,0	-2548,0	32,6
Decompositon rate rate for NO_x in mg/m²*h:			5,64			



Comment	
wet drilled	CSTR= Continuous Stirred Tank Reactor