

FY2024 Exhaust gas analysis results of carbonizing equipment and power generation facilities

【Regulation value】

Items	Carbonizing equipment	Power generation facilities
Dust	$\leq 0.08\text{g}/\text{m}^3\text{N}$	$\leq 0.04\text{g}/\text{m}^3\text{N}$
Sulfur oxides	≤ 8.76 (K value)	≤ 8.76 (K value)
Nitrogen oxides	250 ppm	200 ppm
Hydrogen chloride	$700\text{mg}/\text{m}^3\text{N}$	-
Dioxins	$1\text{ ng-TEQ}/\text{m}^3\text{N}$	-
Dioxins(dust)	$3\text{ ng-TEQ}/\text{g -dry}$	-
Mercury	$50\text{ }\mu\text{g}/\text{m}^3\text{N}$	-

【Measurement value】 Carbonizing equipment

Sampling date	May-24	Aug-24	Dec-24	Feb-24
System classification	No. 1 system	No. 2 system	No. 1 system	No. 2 system
Dust (g/m ³ N)	0.01	0.004	-	-
Sulfur oxides (K value)	1.8	2.5	-	-
Nitrogen oxides (ppm)	120	41	78	54
Hydrogen chloride (g/m ³ N)	9.1	15.0	22	2.8
Dioxins (ng-TEQ/m ³ N)	0.0006	0.00000033	-	-
Dioxins (dust) (ng-TEQ/ g -dry)	0.0000	0.00049	-	-
Mercury ($\mu\text{g}/\text{m}^3\text{N}$)	16	20	18	13

【Measurement value】 Power generation facilities

Sampling date	May-24	Nov-24
Dust (g/m ³ N)	<0.003	-
Sulfur oxides (K value)	<0.02	-
Nitrogen oxides (ppm)	160	120