

Compliance with Laws and Regulations

The Dexerials Group has established and managed its own standards in relation to applicable items in laws, regulations, and ordinances concerning atmospheric and water pollution and so on at manufacturing sites in Japan and overseas. We implement measures to ensure that we do not exceed regulatory standards under the Noise Regulation Act, Vibration Regulation Act, and the Offensive Odor Control Act within our sites, and we have established and manage our own standards.

※ The Tagajo Plant is leased properties, and outside of our management.

Compliance with laws and regulations in fiscal 2024

■ Domestic manufacturing sites

Headquarters and Tochigi Technology Center

Quantity: Result average (max. measured value)

	Item	Unit	Legal standards	Our standards	Quantity
Water Pollution Control Act	Hydrogen ion concentration	—	5.8~8.6 ^{※4}	6.2~8.4	8.0(8.3)
	BOD ^{※1}	mg/l	<8(<Max10) ^{※4}	<8	1.8(4.1)
	COD ^{※2}	mg/l	<8(<Max10) ^{※4}	<8	3.1(5.7)
	SS ^{※3}	mg/l	<30 ^{※4}	<20	1.1(1.6)
	N-hexane(mineral oils)	mg/l	<5 ^{※4}	<2.5	1.0(1.0)
	Copper	mg/l	<3	<1.5	0.05(0.05)
	Iron	mg/l	<3	<1.5	0.05(0.05)
	Colibacillus	mg/l	<3000	<1500	15.6(110)
	Nitrogen	mg/l	<60	<30	9.2(16)
	Phosphorus	mg/l	<8.0	<8.0	0.5(1.4)

※1 BOD: Biochemical Oxygen Demand

※2 COD: Chemical Oxygen Demand

※3 SS: Suspended Solids

※4 Agreement standards

	Time	Unit	Regulatory standards	Quantity
Noise Regulation Act	6:00~8:00	dB	70	49(52)
	8:00~18:00	dB	75	52(55)
	18:00~22:00	dB	70	48(52)
	22:00~6:00	dB	60	50(54)

	Time	Unit	Regulatory standards	Quantity
Vibration Regulation Act	8:00~20:00	dB	70	31(34)
	20:00~8:00	dB	65	30(30)

Kanuma Plant

Quantity: Result average (max. measured value)

	Item	Unit	Plant No.1			Plant No.2		
			Legal standards	Our standards	Quantity	Legal standards	Our standards	Quantity
			Air Pollution Control Act	Soot	g/Nm ³	<0.1	<0.05	<0.005
Nitrogen oxides	ppm	<150		<115	31(38)	<150	<115	31(38)
Sulfur oxides	—	<8(K value)		<4	<0.2(<0.4)	<8(K value)	<4	<0.1(<0.1)
VOC	ppmC	—		—	—	<1400	—	58

	Item	Unit	Plant No.1			Plant No.2		
			Legal standards	Our standards	Quantity	Legal standards	Our standards	Quantity
			Water Pollution Control Act	Hydrogen ion concentration	—	5.8~8.6	6.2~8.4	7.3(8.2)
BOD ^{※1}	mg/l	<20		<10	2.3(9.6)	<20	<10	1.4(3.3)
COD ^{※2}	mg/l	<20		<10	3.0(9.8)	<20	<10	2.0(4.4)
SS ^{※3}	mg/l	<40		<20	1.5(4.4)	<40	<20	1.0(1.0)
N-hexane(mineral oils)	mg/l	<5		<1.4	1.0(1.0)	<5	<1.1	1.0(1.0)
Copper	mg/l	<3		<1.5	0.14(0.7)	<3	<1.5	0.05(0.05)
Iron	mg/l	<3		<1.5	0.05(0.07)	<3	<1.5	0.05(0.07)
Colibacillus	pcs/m l	<3000		<1500	11(230)	<3000	<1500	5.1(25)
Nitrogen	mg/l	<60		<30	6.1(22)	<60	<30	5.4(6.5)
Phosphorus	mg/l	<8		<4	0.1(0.44)	<8	<4	0.4(1.4)

※1 BOD: Biochemical Oxygen Demand

※2 COD: Chemical Oxygen Demand

※3 SS: Suspended Solids

	Item	Plant No.1		Plant No.2	
		Regulatory standards (property boundaries)	Quantity	Regulatory standards (property boundaries)	Quantity
		Offensive Odor Control Act	Odor index	18	<10(10)

	Time	Unit	Plant No.1		Plant No.2	
			Regulatory standards	Quantity	Regulatory standards	Quantity
			Noise Regulation Act	6:00~8:00	dB	<70
8:00~18:00	dB	<75		54(66)	<75	53(56)
18:00~22:00	dB	<70		51(54)	<70	49(51)
22:00~6:00	dB	<60		47(48)	<60	51(54)

Vibration Regulation Act	Time	Unit	Plant No.1		Plant No.2	
			Regulatory standards	Quantity	Regulatory standards	Quantity
			8:00~20:00	dB	<70	<30
20:00~8:00	dB	<65	<30	<65	<30(30)	

Dexerials Photonics Solutions Corporation Tome Operation

Quantity: Result average (max. measured value)

Air Pollution Control Act	Item	Unit	Legal standards	Our standards	Quantity
	Soot	g/m ³	<0.3	<0.03	0.0045(0.006)
	Nitrogen oxides	ppm	-	<90	53(55)
	Sulfur oxides	m ³ /h	17.5(K value)	-	0.024(0.024)

Sewerage Act	Item	Unit	Regulatory standards	Our standards	Quantity
	Hydrogen ionconcentration(pH)	-	5.8~8.6	6.1~8.3	7.6(7.6)
	BOD	mg/l	<300	<90	2.0(3.8)
	SS	mg/l	<300	<250	16.1(27.0)
	N-hexane(mineral oils)	mg/l	<5	<1.5	<1.0(<1.0)
	N-hexane(animal andvegetable oils)	mg/l	<30	<9	<1.0(<1.0)

Offensive Odor Control Act	Item	Agreement standards	Quantity
	Odor strength	15	<10(<10)

Noise Regulation Act	Time	Unit	Agreement standards	Quantity
	6:00~8:00	dB	<50	49.3(49.7)
	8:00~18:00	dB	<55	49.2(49.7)
	18:00~22:00	dB	<50	49.6(49.7)
	22:00~6:00	dB	<45	45.0(45.0)

Vibration Regulation Act	Time	Unit	Agreement standards	Quantity
	8:00~20:00	dB	48	30(32)
	20:00~8:00	dB	44	30(31)

■ Overseas manufacturing site

Dexerials (Suzhou) Co., Ltd.

Quantity: Result average (max. measured value)

Air Pollution Control Act	Item	Unit	Legal standards	Our standards	Quantity
	NMHC ^{※1}	kg/h	<50	<2	0.04(0.05)
		mg/m ³	<10	<50	4.1(3.5)
	fine particles	mg/m ³	<10	<10	3.3(3.7)

※1 NMHC:non-methane hydro carbon
fine particles:other dust

Environmental Noise Pollution Control Law	Item	Unit	Regulatory standards	Quantity
	6:00~22:00	dB	70, 65	63.3(63.8)
	22:00~6:00	dB	55	54.0(54.3)