

# Environmental Data by Manufacturing Facility in Japan

Overview	Manufacturing facility	Awazu Plant <small>(established in 1921)</small>	Osaka Plant <small>(established in 1952)</small>	Mooka Plant <small>(established in 1971)</small>
	Location	Komatsu, Ishikawa Prefecture	Hirakata, Osaka Prefecture	Mooka, Tochigi Prefecture
	Main products	Small and medium-sized bulldozers, small hydraulic excavators, small and medium-sized wheel loaders, motor graders, large presses, armored vehicles, etc.	Large bulldozers, medium-sized and large hydraulic excavators, mobile crushers/recyclers/tub grinders (crushers, soil stabilizers, tub grinders, etc.)	Large wheel loaders, dump trucks, axles
	Site/building area <small>(1,000 m<sup>2</sup>)</small>	971/225	554/120	492/88
	Number of employees	4,565	1,565	1,563
	Date of ISO14001 certification acquisition	September 1997	July 1997	April 2000

\*The number of employees includes those working for Komatsu affiliates on the premises.

\*Established year means as Komatsu Group.

Major Performance	Environmental impact	Item		Actual value		Item		Actual value		Item		Actual value	
	*Refer to the Data on Environmental Impact Resulting from Business Activities (PP. 41-42) for details on the methods used to calculate amounts. *Total emissions of waste are expressed as a composite of the amount recycled (excluding valuables) and the amount disposed. *Recycling rate is calculated by dividing the amount recycled (including valuables) by the amount generated (including valuables). *Total emissions of BOD and COD are calculated by multiplying the average concentration by the amount of wastewater.	Total CO <sub>2</sub> emissions	51,352 t-CO <sub>2</sub>		Total CO <sub>2</sub> emissions	38,532 t-CO <sub>2</sub>		Total CO <sub>2</sub> emissions	13,373 t-CO <sub>2</sub>		Total CO <sub>2</sub> emissions	13,373 t-CO <sub>2</sub>	
		NOx total amount	18,794 kg		NOx total amount	4,922 kg		NOx total amount	73,544 kg		NOx total amount	73,544 kg	
		SOx total amount	2,816 kg		SOx total amount	0 kg		SOx total amount	561 kg		SOx total amount	561 kg	
		Total emissions of waste	3,647 t		Total emissions of waste	2,991 t		Total emissions of waste	818 t		Total emissions of waste	818 t	
		Amount recycled	3,624 t		Amount recycled	2,990 t		Amount recycled	818 t		Amount recycled	818 t	
		Recycling rate	99.5 %		Recycling rate	100 %		Recycling rate	100 %		Recycling rate	100 %	
		BOD emissions	6,272 kg		BOD emissions	142 kg		BOD emissions	78 kg		BOD emissions	78 kg	
		COD emissions	10,244 kg		COD emissions	646 kg		COD emissions	425 kg		COD emissions	425 kg	
		Wastewater	2,900,221 m <sup>3</sup> /year		Wastewater	122,877 m <sup>3</sup> /year		Wastewater	36,208 m <sup>3</sup> /year		Wastewater	36,208 m <sup>3</sup> /year	

  

Energy consumption	Item			Actual consumption	Converted to calorie equivalents (GJ)	Item			Actual consumption	Converted to calorie equivalents (GJ)	Item			Actual consumption	Converted to calorie equivalents (GJ)
	Electricity	94,754 MWh		924,630		Electricity	76,092 MWh		739,567		Electricity	25,153 MWh		250,775	
	Heavy oil A	3,076 kL		120,283		Heavy oil A	203 kL		7,937		Heavy oil A	270 kL		10,557	
	Kerosene	14 kL		506		Kerosene	65 kL		2,386		Kerosene	25 kL		881	
	Light oil	387 kL		14,787		Light oil	404 kL		15,433		Light oil	913 kL		34,915	
	LPG, et al.			92,973		LPG, et al.			156,838		LPG, et al.			8,799	
	Total			1,153,179		Total			922,161		Total			305,927	

\*The heat energy conversion factor is calculated in keeping with the guidelines for calculation stipulated by the Ministry of the Environment of Japan in FY1999, which are based on the Act on Promotion of Global Warming Countermeasures.

\*Data for the Awazu Plant include data for the Komatsu and Kanazawa Plants and Komatsu Engineering Corp. (Awazu).

\*Data for the Osaka Plant include data for the Rokko Plant.

\*Data for the Mooka Plant include data for the Ibaraki Plant.

Compliance Conditions to Major Regulations	Air		Regulated value				Actual value				
	Item	Unit	Facility	Regulated value	Actual value	Facility	Regulated value	Actual value	Facility	Regulated value	Actual value
	Nitrogen oxides (NOx)	ppm	Boiler	180	98	Boiler	150	17	Boiler	180	67
			Heating furnace	180	30	Metal furnace	180	105	Diesel engine	950	470
			Diesel engine	950	660	Paint drying furnace	230	15			
	Sulfur oxides (SOx)	—	K-value regulation	17.5	1.59	Regulation of total emissions (Nm <sup>3</sup> /h)	1.573	0.002	K-value regulation	8.0	1.73
	Soot and dust	g/Nm <sup>3</sup>	Boiler	0.3	0.003	Boiler	0.03	0.0056	Boiler	0.3	0.005
			Heating furnace	0.2	0.001	Metal furnace	0.1	0.013	Diesel engine	0.1	0.074
			Diesel engine	0.1	0.008	Paint drying furnace	0.1	0.013			

\*Regulated values are in accordance with the Air Pollution Control Law and local regulations.

Wastewater	Regulated value according to the Water Pollution Control Law		Regulated value				Actual value							
	Item	Unit	Regulated value	Actual value			Regulated value	Actual value			Regulated value	Actual value		
				Maximum	Minimum	Average		Maximum	Minimum	Average		Maximum	Minimum	Average
pH	5.8-8.6	5.8-8.6	7.6	6.5	7.1	5.8-8.6	7.8	7.4	7.5	5.8-8.6	7.5	6.9	7.1	
BOD	160 mg/l	80	56	ND	9.0	25	1.9	0.5	1.2	25	4.2	ND	2.2	
COD	160 mg/l	80	69	1.1	7	25	7.8	3.1	5.3	120	30	3.8	11.7	
Suspended solids (SS)	200 mg/l	120	37	ND	3	80	3.2	1.6	2.1	50	ND	ND	ND	
Mineral oils	5 mg/l	5	2.1	ND	0.6	3	0.2	ND	0.2	5	ND	ND	ND	
Copper	3 mg/l	3	ND	ND	ND	3	ND	ND	ND	3	ND	ND	ND	
Zinc	2 mg/l	2	0.3	ND	0.1	2	0.18	ND	0.12	2	0.1	ND	0.1	
Nitrogen	120 mg/l	120	36	1.4	8.0	120	4.9	4.7	4.8	120	16.0	14.0	15.0	
Phosphorus	16 mg/l	16	4.1	0.02	0.67	16	0.37	0.03	0.20	16	3.8	2.7	3.3	
Cadmium	0.1 mg/l	0.1	ND	ND	ND	0.01	ND	ND	ND	0.1	ND	ND	ND	
Lead	0.1 mg/l	0.1	ND	ND	ND	0.01	ND	ND	ND	0.1	ND	ND	ND	
Chromium (VI)	0.5 mg/l	0.5	ND	ND	ND	0.05	ND	ND	ND	0.1	ND	ND	ND	
Trichloroethylene	0.3 mg/l	0.3	0.011	ND	0.004	0.03	ND	ND	ND	0.3	ND	ND	ND	
Tetrachloroethylene	0.1 mg/l	0.1	ND	ND	ND	0.01	0.0008	ND	0.0007	0.1	ND	ND	ND	
Dichloromethane	0.2 mg/l	0.2	ND	ND	ND	0.02	ND	ND	ND	0.2	ND	ND	ND	
1,1,1-trichloroethane	3 mg/l	3	0.007	ND	0.001	1	ND	ND	ND	3	ND	ND	ND	

\*Regulated values are in accordance with the Water Pollution Control Law and local regulations. \*ND ("not detected") indicates a value below the lower limit of detection. \*Other items are confirmed to be below the regulated value.

Oyama Plant (established in 1962)	Koriyama Plant (established in 1995)	Shonan Plant (established in 1966)	Research Division (established in 1985)
Oyama, Tochigi Prefecture	Koriyama, Fukushima Prefecture	Hiratsuka, Kanagawa Prefecture	Hiratsuka, Kanagawa Prefecture
Engines for construction/industrial machinery, diesel generators, hydraulic equipment, excimer lasers, etc.	Hydraulic cylinders, swivel joints, gear pumps	Control equipment for construction and mining equipment, hybrid components, thermoelectric modules, temperature control equipment, etc.	R&D on business fields of the Komatsu Group
591/113	296/19	40/2	195/0
2,500	391	546	191
May 1997	July 2002	March 2000	May 2008

Item	Actual value	Item	Actual value	Item	Actual value	Item	Actual value
Total CO <sub>2</sub> emissions	72,493 t-CO <sub>2</sub>	Total CO <sub>2</sub> emissions	11,530 t-CO <sub>2</sub>	Total CO <sub>2</sub> emissions	2,154 t-CO <sub>2</sub>	Total CO <sub>2</sub> emissions	2,546 t-CO <sub>2</sub>
NOx total amount	65,621 kg	NOx total amount	63,563 kg	NOx total amount	0 kg	NOx total amount	612 kg
SOx total amount	98 kg	SOx total amount	3,929 kg	SOx total amount	0 kg	SOx total amount	23 kg
Total emissions of waste	6,482 t	Total emissions of waste	1,110 t	Total emissions of waste	117 t	Total emissions of waste	135 t
Amount recycled	6,482 t	Amount recycled	1,110 t	Amount recycled	117 t	Amount recycled	117 t
Recycling rate	100 %	Recycling rate	100 %	Recycling rate	100 %	Recycling rate	86 %
BOD emissions	2,005 kg	BOD emissions	60 kg	BOD emissions	1,905 kg	BOD emissions	8 kg
COD emissions	4,811 kg	COD emissions	230 kg	COD emissions	0 kg	COD emissions	23 kg
Wastewater	568,800 m <sup>3</sup> /year	Wastewater	18,902 m <sup>3</sup> /year	Wastewater	17,358 m <sup>3</sup> /year	Wastewater	5,097 m <sup>3</sup> /year

Item	Actual consumption	Converted to calorie equivalents (GJ)	Item	Actual consumption	Converted to calorie equivalents (GJ)	Item	Actual consumption	Converted to calorie equivalents (GJ)	Item	Actual consumption	Converted to calorie equivalents (GJ)
Electricity	100,878 MWh	979,165	Electricity	11,423 MWh	113,887	Electricity	5,539 MWh	55,224	Electricity	4,741 MWh	45,783
Heavy oil A	271 kℓ	10,596	Heavy oil A	2,358 kℓ	92,198	Heavy oil A	0 kℓ	0	Heavy oil A	18 kℓ	704
Kerosene	4,064 kℓ	149,149	Kerosene	0 kℓ	0	Kerosene	0 kℓ	0	Kerosene	83 kℓ	3,046
Light oil	2,744 kℓ	104,859	Light oil	0 kℓ	0	Light oil	0 kℓ	0	Light oil	47 kℓ	1,776
LPG, et al.		304,496	LPG, et al.		12,600	LPG, et al.		573	LPG, et al.		6,738
Total		1,548,264	Total		218,685	Total		55,797	Total		58,047

\*Data for the Shonan Plant include data for KELK Ltd.

Facility	Regulated value	Actual value	Facility	Regulated value	Actual value	Facility	Regulated value	Actual value	Facility	Regulated value	Actual value
Diesel engine	950	890	Cogeneration engine	760	640	N/A	—	—	Service generator	624	240
Gas turbine	70	21						Cold/hot water generator	390	62	
Boiler	180	81									
Annealing furnace	200	40									
K-value regulation	7.0	2.81	K-value regulation	6.42	0.38				K-value regulation	11.5	0.2
Diesel engine	0.1	0.050	Tempering (electric) furnace	0.2	0.003 or less	N/A	—	—	Service generator	0.1	0.041
Boiler	0.3	0.003	Baking (electric) furnace	0.2	0.003 or less				Cold/hot water generator	0.2	0.001
Annealing furnace	0.25	0.01	Cogeneration engine	0.2	0.071						
Electric furnace	0.2	0.001									

Regulated value	Actual value			Regulated value	Actual value			Regulated value	Actual value			Regulated value	Actual value		
	Maximum	Minimum	Average		Maximum	Minimum	Average		Maximum	Minimum	Average		Maximum	Minimum	Average
5.8-8.6	7.4	7	7.2	5.8-8.6	7.6	6.3	7.0	5.0-9.0	8.5	6.0	7.6	5.8-8.6	7.7	7.4	7.6
25	6.4	1.3	3.5	25	5.1	0.8	3.2	600	220	ND	67	10	2	1	1.5
25	15.6	3.9	8.5	40	15	8.7	12.2	—	—	—	—	25	6	2	4.5
50	16.0	3.2	8.4	50	7.9	1.7	4.5	600	120	ND	26	65	13	2	5.8
5	0.7	ND	0.5	1	ND	ND	ND	5	5	ND	1.3	5	1	1	1
3	ND	ND	ND	2	ND	ND	—	3	ND	ND	ND	1	ND	ND	ND
2	0.12	ND	0.06	2	0.07	0.07	—	2	0.03	ND	0.03	1	ND	ND	ND
—	—	—	—	120	25	25	—	—	—	—	—	120	—	—	—
—	—	—	—	16	2.6	2.6	—	—	—	—	—	16	—	—	—
0.1	ND	ND	ND	0.1	ND	ND	—	0.1	ND	ND	ND	0.1	ND	ND	ND
0.1	ND	ND	ND	0.1	ND	ND	ND	0.1	ND	ND	ND	0.1	0.05	0.05	0.05
0.1	ND	ND	ND	0.1	ND	ND	ND	0.5	ND	ND	ND	0.5	0.05	0.05	0.05
0.3	ND	ND	ND	0.3	ND	ND	—	0.3	ND	ND	ND	0.3	ND	ND	ND
0.1	ND	ND	ND	0.1	ND	ND	—	0.1	ND	ND	ND	0.1	ND	ND	ND
—	—	—	—	0.2	ND	ND	—	0.2	0.002	ND	0.002	0.2	ND	ND	ND
3	ND	ND	ND	3	ND	ND	—	3	ND	ND	ND	3	0.002	0.002	0.002

Overview	Manufacturing facility	Komatsu Utility Co., Ltd. Tochigi Plant (established in 1968)	Komatsu Utility Co., Ltd. Kawagoe Plant (established in 1965)	Komatsu Castex Ltd. Himi Plant (established in 1952)
	Location	Oyama, Tochigi Prefecture	Kawagoe, Saitama Prefecture	Himi, Toyama Prefecture
	Main products	Forklift trucks, mini wheel loaders, peripheral equipment for logistics	Mini excavators	Iron castings, steel castings, molds for casting, etc.
	Site/building area (1,000 m <sup>2</sup> )	215/48	107/32	403/63
	Number of employees	1,213	7	801
	Date of ISO14001 certification acquisition	February 1998	July 2002	January 2000

\*The number of employees includes those working for Komatsu affiliates on the premises.

\*Komatsu Castex Ltd. is the successor company of the former Komatsu Ltd. Himi Plant established in 1952.

Major Performance	Environmental impact			Item			Actual value			Item			Actual value		
	*Refer to the Data on Environmental Impact Resulting from Business Activities (PP. 41-42) for details on the methods used to calculate amounts.			Total CO <sub>2</sub> emissions	8,587 t-CO <sub>2</sub>		Total CO <sub>2</sub> emissions	2,582 t-CO <sub>2</sub>		Total CO <sub>2</sub> emissions	65,488 t-CO <sub>2</sub>				
	*Total emissions of waste are expressed as a composite of the amount recycled (excluding valuables) and the amount disposed.			NOx total amount	6,498 kg		NOx total amount	34,253 kg		NOx total amount	12,115 kg				
	*Recycling rate is calculated by dividing the amount recycled (including valuables) by the amount generated (including valuables).			SOx total amount	2,432 kg		SOx total amount	821 kg		SOx total amount	5,845 kg				
	*Total emissions of BOD and COD are calculated by multiplying the average concentration by the amount of wastewater.			Total emissions of waste	1,808 t		Total emissions of waste	263 t		Total emissions of waste	10,102 t				
				Amount recycled	1,791 t		Amount recycled	263 t		Amount recycled	9,838 t				
				Recycling rate	99.5 %		Recycling rate	100 %		Recycling rate	99.0 %				
				BOD emissions	973 kg		BOD emissions	436 kg		BOD emissions	3,169 kg				
				COD emissions	709 kg		COD emissions	409 kg		COD emissions	4,445 kg				
				Wastewater	146,246 m <sup>3</sup> /year		Wastewater	41,714 m <sup>3</sup> /year		Wastewater	1,059,000 m <sup>3</sup> /year				
	Energy consumption			Item			Actual consumption			Item			Actual consumption		
				Converted to calorie equivalents (GJ)			Converted to calorie equivalents (GJ)			Converted to calorie equivalents (GJ)			Converted to calorie equivalents (GJ)		
	*The heat energy conversion factor is calculated in keeping with the guidelines for calculation stipulated by the Ministry of the Environment of Japan in FY1999, which are based on the Act on Promotion of Global Warming Countermeasures.			Electricity	11,828 MWh	114,983	Electricity	2,346 MWh	22,501	Electricity	122,049 MWh	1,216,829			
				Heavy oil A	1,008 kℓ	39,413	Heavy oil A	418 kℓ	16,344	Heavy oil A	2,591 kℓ	101,308			
				Kerosene	6 kℓ	220	Kerosene	0 kℓ	0	Kerosene	1,429 kℓ	52,444			
				Light oil	92 kℓ	3,514	Light oil	88 kℓ	3,362	Light oil	0 kℓ	0			
				LPG, et al.	17,545		LPG, et al.	5,321		LPG, et al.	134,586				
			Total	175,675		Total	47,528		Total	1,505,167					

Compliance Conditions to Major Regulations	Air																					
	Item	Unit	Facility	Regulated value	Actual value	Facility	Regulated value	Actual value	Facility	Regulated value	Actual value											
	Nitrogen oxides (NOx)	ppm	Small boilers*	(260)	110	Cogeneration engine	950	650	Annealing furnace	200	37											
												Hot water boiler	180	100	Annealing furnace (small)	180	12					
																		Calciners	220	1 or less		
	Sulfur oxides (SOx)	—	K-value regulation	7.0	1.37	K-value regulation	9.0	0.8	K-value regulation	17.5	5 or less											
	Soot and dust	g/Nm <sup>3</sup>	Small boilers*	(0.5)	0.004	Cogeneration engine	0.1	0.044	Fuel sulfur (%)	0.96	0.13											
												Hot water boiler	0.3	0.017	Annealing furnace	0.25	0.01 or less					
																		Annealing furnace (small)	0.2	0.01 or less		
																					Calciners	0.15
Arch furnace																						

\*Regulated values are in accordance with the Air Pollution Control Law and local regulations. \*Regulated values of NOx, soot and dust are in accordance with self-regulatory measures, because these boilers are small.

Wastewater														
Item	Regulated value according to the Water Pollution Control Law	Unit	Regulated value				Actual value				Regulated value			
			Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average			
pH	5.8-8.6		5.8-8.6	7.3	6.9	7.2	5.0-9.0	7.8	6.8	7.3	5.8-8.6	8.3	7	7.5
BOD	160 mg/l		25	11.2	2.1	6.7	600	130	1	29	25	3.2	1.8	2.7
COD	160 mg/l		25	11.4	2.8	4.9	600	48	1.5	18.3	120	7.1	2.2	4
Suspended solids (SS)	200 mg/l		50	14.8	2	5.4	600	220	ND	27.9	100	52	ND	10.0
Mineral oils	5 mg/l		5	ND	ND	ND	5	2.4	ND	1.7	5	0.9	ND	0.5
Copper	3 mg/l		3	ND	ND	ND	3	ND	ND	ND	1	ND	ND	ND
Zinc	2 mg/l		2	0.38	ND	0.11	2	0.2	ND	0.18	1	ND	ND	ND
Nitrogen	120 mg/l		20	5.4	5.0	3.0	240	220	2.5	71.3	60	16	2.5	8.75
Phosphorus	16 mg/l		2	0.36	0.28	0.30	32	2.5	ND	0.6	8	0.22	ND	0.12
Cadmium	0.1 mg/l		0.1	ND	ND	ND	0.1	ND	ND	ND	0.1	ND	ND	ND
Lead	0.1 mg/l		0.1	ND	ND	ND	0.1	ND	ND	ND	0.1	ND	ND	ND
Chromium (VI)	0.5 mg/l		0.1	ND	ND	ND	0.5	ND	ND	ND	0.5	ND	ND	ND
Trichloroethylene	0.3 mg/l		0.3	ND	ND	ND	0.3	ND	ND	ND	0.3	ND	ND	ND
Tetrachloroethylene	0.1 mg/l		0.1	ND	ND	ND	0.1	ND	ND	ND	0.1	ND	ND	ND
Dichloromethane	0.2 mg/l		0.2	ND	ND	ND	0.2	ND	ND	ND	0.2	ND	ND	ND
1,1,1-trichloroethane	3 mg/l		3	ND	ND	ND	3	ND	ND	ND	3	ND	ND	ND

\*Regulated values are in accordance with the Water Pollution Control Law and local regulations. \*ND ("not detected") indicates a value below the lower limit of detection. \*ND is considered to be the lower limit of detection when calculating the average. \*Other items are confirmed to be below the regulated value.

<b>Komatsu Cabtec Co., Ltd.</b> (established in 1918)	<b>Komatsu NTC Ltd.</b> (established in 1945)	<b>Komatsu House Ltd.</b> (established in 1971)
Ryuou-cho, Gamou, Shiga Prefecture	Nanto, Toyama Prefecture	Shinshiro, Aichi Prefecture
Cabs for construction equipment	Machine tools, sheet-metal machines, semiconductor manufacturing equipment	Prefabricated structures for businesses
52/22	182/89	31/10
380	692	48
December 2007	June 1999	March 2002

Item	Actual value	Item	Actual value	Item	Actual value
Total CO <sub>2</sub> emissions	3,218 t-CO <sub>2</sub>	Total CO <sub>2</sub> emissions	6,229 t-CO <sub>2</sub>	Total CO <sub>2</sub> emissions	825 t-CO <sub>2</sub>
NOx total amount	144 kg	NOx total amount	— kg	NOx total amount	184 kg
SOx total amount	1 kg	SOx total amount	12 kg	SOx total amount	123 kg
Total emissions of waste	297 t	Total emissions of waste	2,024 t	Total emissions of waste	106 t
Amount recycled	109 t	Amount recycled	1,936 t	Amount recycled	106 t
Recycling rate	96 %	Recycling rate	97 %	Recycling rate	100 %
BOD emissions	545 kg	BOD emissions	1,246 kg	BOD emissions	32 kg
COD emissions	406 kg	COD emissions	— kg	COD emissions	57 kg
Wastewater	97,554 m <sup>3</sup> /year	Wastewater	2,492,062 m <sup>3</sup> /year	Wastewater	6,471 m <sup>3</sup> /year

Item	Actual consumption	Converted to calorie equivalents (GJ)	Item	Actual consumption	Converted to calorie equivalents (GJ)	Item	Actual consumption	Converted to calorie equivalents (GJ)
Electricity	5,661 MWh	56,440	Electricity	15,881 MWh	156,519	Electricity	724 MWh	7,215
Heavy oil A	0 kℓ	0	Heavy oil A	0 kℓ	0	Heavy oil A	72 kℓ	2,815
Kerosene	78 kℓ	2,863	Kerosene	12 kℓ	440	Kerosene	0 kℓ	0
Light oil	116 kℓ	4,431	Light oil	32 kℓ	1,222	Light oil	8 kℓ	298
LPG, et al.	9,136	9,136	LPG, et al.	270	270	LPG, et al.	5,552	5,552
Total	72,870	72,870	Total	158,452	158,452	Total	15,881	15,881

\*Data for Komatsu NTC Ltd. include data for the Toyama and Fukuno Plants and Technical Center.

Facility	Regulated value	Actual value	Facility	Regulated value	Actual value	Facility	Regulated value	Actual value
N/A			N/A			Boiler	250	46
K-value regulation	17.5	0.033				K-value regulation	17.5	0.3
N/A			N/A			Boiler	0.3	0.003

Regulated value	Actual value			Regulated value	Actual value			Regulated value	Actual value		
	Maximum	Minimum	Average		Maximum	Minimum	Average		Maximum	Minimum	Average
5.8-8.6	7.2	6.7	6.9	5.8-8.6	7.5	6.3	6.7	5.8-8.6	7.6	6.6	7.0
20	10	2	5.6	160	ND	ND	ND	160	22	0.5	5.9
20	6.9	1.4	4.2	—	—	—	—	160	60	2.4	15.1
20	9.7	0.9	3.1	200	7	ND	2.1	200	20	ND	4.0
—	—	—	—	—	—	—	—	5	1.0	ND	1.0
0.1	0.01	ND	0.01	—	—	—	—	—	—	—	—
0.5	0.15	0.01	0.05	—	—	—	—	—	—	—	—
8	6.3	0.9	3.3	—	—	—	—	120	36	0.7	10.4
0.6	0.5	ND	0.2	—	—	—	—	16	13	0.1	2.2
—	—	—	—	—	—	—	—	—	—	—	—
0.03	ND	ND	ND	—	—	—	—	—	—	—	—
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