Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 150**

of **Tata Steel IJmuiden B.V.**
Proces Quality Measurements (PQM) and Mechanical Testing (MT)

This annex is valid from: **28-10-2026** to **01-08-2027** Replaces annex dated: **23-09-2026**

Location(s) where activities are performed under accreditation

Head Office

Wenkebachstraat 1
1951 JZ
Velsen-Noord
The Netherlands

Location	Abbreviation/ location code
Waterlaboratorium locatie 3F-22 Poort Rooswijk Breedbandweg 1 1951 MC Velsen-Noord Nederland	VE 3F-22-W
Klassieke Analyse locatie 3F-22 Poort Rooswijk Breedbandweg 1 1951 MC Velsen-Noord Nederland	VE 3F-22-K
Mechanical Testing, locatie 3F-22 Poort Rooswijk Breedbandweg 1 1951 MC Velsen-Noord Nederland	VE 3F-22-M
Proces Controle, locatie 4C-01 Poort Rooswijk Breedbandweg 1 1951 MC Velsen-Noord Nederland	VE 4C-01

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

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Location	Abbreviation/ location code
Monsterneming, locatie 3F-06 Poort Rooswijk Breedbandweg 1 1951 MC Velsen-Noord Nederland	VE 3F-06

No.	Material or product	Type of activity[1]	Internal reference number	Location
		Preparation		
a	Iron ore	Preparation for the purpose of IVN 1009, IVN 1011, IVN 1013, IVN 4001, IVN 4025, IVN 4032, IVN 5002 and IVN 5003	IVN 5001 (MN/093) ISO 3082	VE 3F-06
b	Steel, unalloyed and low alloyed	Preparation of samples for the purpose of the determination of the chemical composition of IVN 1019, IVN 4005 and IVN 4006	IVN 5006 (MN/223, MN/204) NEN-EN-ISO 14284	VE 3F-06
c	Coal	Preparation of samples for the purpose of IVN 1113, IVN 1114, IVN 1115, IVN 1116, IVN 1117, IVN 1118, IVN 1140, IVN 5004 and IVN 5005	IVN 5008 (MN/094) NEN-ISO 13909-4	VE 3F-06
d	Steel	Preparation of the tension rods A80 for the purpose of IVN 6001	IVN 6001 (WVS 301, WVS 302, BVS 201, BVS 301, BVS 302, BVS 303) NEN-EN-ISO 6892-1, NEN-EN-ISO 377	VE 3F-22-M
		Solid fuels		
1	Coal	Determination of the plastic properties (Fluidity); Constant-Torque Gieseler plastometer	IVN 1113 (GH/501) ASTM D-2639/D2639M	VE 3F-22-K
2	Coal and cokes	Determination of moisture and ash contents; gravimetry	IVN 1114 (GH/504) in-house method	VE 3F-22-K
3		Determination of the volatile part; gravimetry	IVN 1115 (GH/506) NEN-ISO 562	VE 3F-22-K

[1] If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on the RvA-BR010-lijst.
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

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No.	Material or product	Type of activity[1]	Internal reference number	Location
4	Coal	Determination of the crucible swelling number; comparison method	IVN 1116 (GH/514) NEN-ISO 501	VE 3F-22-K
5		Determination of the swelling properties; dilatometer	IVN 1117 (GH/515) NEN-ISO 23873	VE 3F-22-K
6	Coal and cokes	Determination of the grosse calorific value and the net calorific value; bomb calorimeter	IVN 1118 (GH/502) NEN-ISO 1928	VE 3F-22-K
7		Determination of the content of carbon, hydrogen, nitrogen and sulfur; combustion and TCD-detection	IVN 1140 (GH/593) NEN-ISO 29541 (C, H, N) in-house method (S)	VE 3F-22-K
8	Coal	Determination of total chlorine by ion chromatography; combustion in a bomb	IVN 1141 (GH/551, OW/055) in-house method	VE 3F-22-K
9		Determination of the particle size; sieve analysis	IVN 5004 (MN/150, MN/153) NEN-ISO 1953	VE 3F-06
10		Determination of total content of moisture; gravimetry	IVN 5005 (MN/152, MN/094) ISO 589-B2	VE 3F-06
11	Cokes	Determination of strength; Irsid Micumtest	IVN 5009 (MN/111) ISO 556	VE 3F-06
		Iron ore and comparable material		
12	Iron ore, iron ore concentrate, sinter and pellet 30-72% Fe	Determination of the content of total iron after Sn(II) chloride reduction; titrimetry	IVN 1009 (GH/001) NEN-ISO 2597-1	VE 3F-22-K
13	Oxide materials	Determination of the content of Fe (II); Bromine-methanol dissolution and titrimetry	IVN 1010 (GH/002) in-house method	VE 3F-22-K
14	Oxide materials	Determination of the content of CO_2 ; titrimetry	IVN 1012 (GH/072) in-house method	VE 3F-22-K
15	Iron ore and Fe-containing material 45 – 100% Fe_2O_3	Determination of Al, Ca, Fe, K, Mg, Mn, Na, P, Si, Ti and Zn; X-Ray fluorescence after bead fusion	IVN 4001 (PR/040) in-house method	VE 4C-01

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16	Oxide Material	Determination of loss on ignition at 1000ºC; gravimetry	IVN 4002 (PR/035, PR/184) in-house method	VE 4C-01
17	Oxide material, Ca based	Determination of the content of Al, Ca, Cr, Fe, K, Mg, Mn, Na, Ni, P, Si and Ti; Ray fluorescence after bead fusion	IVN 4013 (PR/040) in-house method	VE 4C-01
18	Oxide material, Mg based	Determination of the content of Al, Ca, Cr, Fe, K, Mg, Mn, Na, Ni, P, Si, and Ti; X-Ray fluorescence after bead fusion	IVN 4014 (PR/040) in-house method	VE 4C-01
19	Oxide material, Al based	Determination of the content of Al, Ca, Fe, K, Mg, Mn, Na, P, Si, Ti and Zn; X-Ray fluorescence after bead fusion	IVN 4017 (PR/040) in-house method	VE 4C-01
20	Oxide material, Si based	Determination of the content of Al, Ca, Fe, K, Mg, Mn, Na, P, Si, Ti and Zn; X-Ray fluorescence after bead fusion	IVN 4018 (PR/040) in-house method	VE 4C-01
21	Slag	Determination of the content of Al, Ca, Cr, Fe, K, Mg, Mn, Na, P, S, Si, Ti and V; X-Ray fluorescence	IVN 4019 (PR/138) in-house method	VE 4C-01
22	Pellet, pellet flour and sinter	Determination of the content of Al, Ca, Fe, K, Mg, Mn, P, Si, Ti and Zn; X-Ray fluorescence after bead fusion	IVN 4022 (PR/040) in-house method	VE 4C-01
23	Iron ore, pellet and sinter	Determination of the content of Fe(II); potentiometric titrimetry	IVN 4025 (PR/181) in-house method	VE 4C-01
24	Oxide materials	Determination of the content of C en S; combustion and IR detection	IVN 4032 (PR/158) in-house method	VE 4C-01
25	Iron ore	Determination of the content of moisture of a sample; gravimetry	IVN 5002 (MN/103) in-house method	VE 3F-06
26		Determination of particle size distribution; sieve analysis	IVN 5003 (MN/151) in-house method	VE 3F-06
		Steel and pig iron		
27	Steel, unalloyed and low alloyed	Determination of the content of Al_{zo}, Cr, Cu, Mn, Mo, Nb, Ni, P, Si, Sn, Ti, and V; ICP-OES	IVN 1019 (GH/130) in-house method	VE 3F-22-K

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28		Determination of the content of C and S; combustion and IR detection	IVN 4005 (PR/158) in-house method	VE 4C-01
29		Determination of the content of nitrogen; melt under inert conditions and TCD detection	IVN 4006 (PR/142) in-house method	VE 4C-01
30	Steel, ultra low carbon	Determination of the content of C; combustion and IR detection	IVN 4015 (PR/158) in-house method	VE 4C-01
31	Steel, unalloyed and low alloyed	Determination of the content of Al, As, B, C, Ca, Cr, Cu, Mn, Mo, Nb, N, Ni, P, S, Si, Sn, Ti, V and ULC (ultra low carbon); Optical Emission Spectrometry	IVN 4020 (PR/008) in-house method	VE 4C-01
32	Pig iron	Determination of the content of Cr, Cu, Mn, Mo, Ni, P, S, Si, Sn, Ti en V; X-Ray fluorescence	IVN 4021 (PR/132) in-house method	VE 4C-01
		Gasses		
33	Gas	Determination of the content of H_2, O_2+Ar, N_2, CH_4, CO, CO_2, C_2H_4 and C_2H_6 at %-level; GC-TCD	IVN 3034 (OW/302) in-house method	VE 3F-22-W
34		Determination of the content of H_2S, CS_2 and COS; GC-FPD	IVN 3034 (OW/302) in-house method	VE 3F-22-W
35	Wastewater, surface water, drink water and process water	Determination of the content of Ca, Cd, Cr, Cu, Fe, Mg, Ni, Pb and Zn; ICP-OES	IVN 1002A (GH/073) NEN 6953 Destruction NEN-EN-ISO 15587-1 Measurement NEN-EN-ISO 11885	VE 3F-22-K
36		Determination of the content of As; ICP-OES	IVN 1002A (GH/073) NEN 6953 Destruction NEN-EN-ISO 15587-1 Measurement NEN 6966	VE 3F-22-K
37		Determination of the content of As, Ca, Cd, Cr, Cu, Fe, Hg, Mg, Ni, Pb and Zn; ICP-MS	IVN 1002E (GH/073, GH140) Destruction NEN-EN-ISO 15587-1 Measurement NEN-EN-ISO 17294-2	VE 3F-22-K

No.	Material or product	Type of activity[1]	Internal reference number	Location
38	Wastewater, surface water, drink water and process water	Determination of the content of Hg; cold vapour AAS	IVN 1002D (GH/114) NEN-EN 1483 (2007)	VE 3F-22-K
39	Process liquid	Determination of the content of CO_2; titrimetry	IVN 1008 (GH/072) in-house method	VE 3F-22-K
40	Wastewater, surface water	Determination of pH; potentiometry	IVN 3001 (OW/059) NEN-EN-ISO 10523	VE 3F-22-W
41	Wastewater	Determination of the content of sulfide; titrimetry after conversion to H_2S and bubbling with nitrogen	IVN 3003 (OW/004) in-house method	VE 3F-22-W
42	Wastewater and surface water	Determination of the content of chloride; potentiometric titration	IVN 3004 (OW/005) NEN 6476	VE 3F-22-W
43	Wastewater	Determination of the content of suspended solids; gravimetry (fibre glass filter)	IVN 3005a (OW/001) NEN-EN 872	VE 3F-22-W
44	Process water	Determination of specific conductivity; conductometry	IVN 3006 (OW/063) NEN-ISO 7888	VE 3F-22-W
45	Wastewater	Determination of the content of ammonia after distillation; titrimetry	IVN 3008 (OW/010) NEN-ISO 5664	VE 3F-22-W
46		Determination of the content of steam distillable phenols; photometry	IVN 3009 (OW/011) In-house method	VE 3F-22-W
47		Determination of the total content of phosphate after oxidation	IVN 3012 (OW/017) NEN-EN-ISO 6878	VE 3F-22-W
48	Wastewater and surface water	Determination of chemical oxygen demand (COD); potentiometric titration	IVN 3013 (OW/020) NEN 6633 (2006)	VE 3F-22-W
49	Wastewater, groundwater and surface water	Determination of Kjeldahl, nitrogen-content; titrimetry	IVN 3020 (OW/013) NEN-ISO 5663	VE 3F-22-W
50	Wastewater	Determination of the content of dissolved chloride, sulphate, nitrite, nitrate and fluoride; IC	IVN 3025 (OW/022) NEN-EN-ISO 10304-1	VE 3F-22-W

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51	Wastewater and surface water	Determination of mineral oil; GC-FID after desintegration	IVN 3036 (OW/301, OW/307) NEN-EN-ISO 9377-2	VE 3F-22-W
		Steel, physical properties		
52	Steel	Determination of the yield strength, tensile strength, uniform elongation, elongation at break, r-value and n-value; tensile test (tension rod type 2) at room temperature (283 K – 308 K)	IVN 6001 (WVS101, BVS101, BVS102) NEN-EN-ISO 6892-1, NEN-EN-ISO 10113, NEN-EN-ISO 10275	VE 3F-22-M
		Others		
53	Oil and tar	Determination of the content of water; Karl Fischer method	IVN 3032 (OW/209) in-house method	VE 3F-22-W
54	Solid waste	Determination of the content of mineral oil; GC-FID after disintegration	IVN 3033 (OW307, OW/300, OW/208) in-house method	VE 3F-22-W