List of measuring methods and short description

Number of methods	*Name*	Description / *Standard/ Instruction*
1.	**Individual measurement method for roundwood**	**Length, diameter, taper and bark**
1.1.	Volume determination by top end diameter, using taper	LVS 82:2020 (LV)
1.2.	Volume determination by middle diameter measurement	LVS 82:2020 (LV)
1.3.	Volume determination by top end and but end diameter measurement	LVS 82:2020 (LV)
1.4.	Volume determination by small interval measurements.	LVS 82:2020 (LV)
1.5.	Bark calculation	LVS 82:2020 (LV) / VMF MI 07.06
1.5.1.	Bark calculation by diameter groups	VMF MI 07.06 (1.p.)
1.5.2.	Bark calculation by bark type 1. vers.	VMF MI 07.06 (1.p.)
1.5.3.	Bark calculation by bark type, hand measurement tools	VMF MI 07.06 (3.p.)
1.5.4.	Bark calculation by bark type 1. vers.	VMF MI 07.06 (2.p.)
1.8.	Volume determination by top end and but end diameter measurement	BIOMETRIA/VMK instruction (SE)
1.10.	Bark calculation	VMF MI 07.06
1.10.1.	Bark calculation by diameter groups	VMF MI 07.06
1.10.2.	Bark calculation by bark type	VMF MI 07.06
1.11.	-	-
1.12.	Calculation of average load volume for individual measurement method	VMF MI 07.27
2.	**Group measurement method**	**Height, length, width and stack volume coefficient**
2.1.	Round timber stack measuring	LVS 82:2020 (LV) Using photo processing technologies VMF MI 07.17 Using KPDC Frame device VMF MI 07.23
2.2.	Round timber stack volume determination	LVS 82:2020 (LV) / VMF PR P 7.3.01.02 Using photo processing technologies VMF MI 07.17 Using KPDC Frame device VMF MI 07.23
2.3.	Round timber stack measuring	BIOMETRIA instruction (SE)
2.4.	Round timber stack volume determination	BIOMETRIA instruction (SE) / VMF PR P 7.3.01.02
2.5.	-	-
2.6.	-	-
2.7. 2.7 07.11 2.7 07.18 2.7 07.26 2.7 07.23	Solid biofuel stack determination	 Using manual measuring VMF MI 07.11 Using LoadMon device VMF MI 07.18 Using photo processing technologies VMF MI 07.26 Using KPDC Frame equipment VMF MI 07.23
2.8.	Round timber stack volume determination	LVS 82:2020 (LV) / VMF PR P 7.3.01.04 / Using LoadMon device VMF MI 07.19
2.9.	Calculation of average load volume for group measurement method	VMF MI 07.27
3.	**Quality requirements for round timber**	
3.1.	Quality requirements for round timber by VMF LATVIA	VMF MI 02.09/ LVS 80:1997[1]
3.2.	-	-
3.3.	Pulpwood quality requirements by BIOMETRIA	VMF MI 02.17
3.4.	Customer quality requirements	According to the customers quality requirements
3.4.1.	Customer 1	VMF MI 01.17

3.4.2.	Customer 2	VMF MI 02.14
3.4.3.	-	-
3.4.4.	Customer 4	VMF MI 02.10
3.4.5.	Customer 5	VMF MI 02.13
3.4.6.	Customer 6	VMF MI 02.15
3.4.7.	Customer 7	VMF MI 02.16
3.4.8.	Customer 8	VMF MI 02.18
3.4.9.	Customer 9	VMF MI 02.09.11
4.	**Bark determination in stack**	**VMF MI 07.02**
5.	Solid biofuel estimation	
5.1.	Chips fractionation	VMF MI 07.14
5.2.	*Solid biofuel - Sampling*	LVS EN ISO 18135:2017 / VMF MI 07.12
5.2.1.	Sampling from small packages (<50 kg)	LVS EN ISO 18135:2017 p.12.2.1
5.2.2.	Sampling from containers, lorries and wagons	LVS EN ISO 18135:2017 p.12.2.2
5.2.3.	Sampling from stockpiles during build up or reclaiming	LVS EN ISO 18135:2017 p.12.2.3.2
5.2.4.	Sampling from stationary stockpiles	LVS EN ISO 18135:2017 p.12.2.3.3
5.2.5.	Sampling from ships and barges	LVS EN ISO 18135:2017 p.12.2.4
5.2.6.	Sampling from bales	LVS EN ISO 18135:2017 p.12.2.5
5.3.	*Determination of moisture content*	LVS EN ISO 18134-2:2017 / VMF MI 07.15
5.4.	Crush wood sample division	VMF MI 07.13
5.4.1.	The sample splitting through separation section	VMF MI 07.13
5.4.2.	Manual sample division	VMF MI 07.13
6.	**Determination of Storage decay**	**VMF MI 07.24**
7.	**Volume correction**	
7.1.	Individual measuring method to measuring with AUI	VMF MI 07.20
7.2.	Stack measuring method to measuring incoming flow in workplaces	VMF MI 07.20
7.3.	Stack measuring method to measuring vessels outgoing flow	VMF MI 07.20
7.4.	Stack measuring method, reject volume from sample bundles	VMF MI 07.20
8.	**Harvester control**	**VMF MI 03.14**
9.	**Growing trees and stumps measuring**	**VMF MI 00.02**
10.	**Round timber sampling**	**VMF MI 07.01**
10.1.	Truck	VMF MI 07.01
10.2.	Stack with a small amount of measuring (<40 m^3)	VMF MI 07.0
10.3.	Stack with a large amount of measuring (40< m^3)	VMF MI 07.01
10.4.	Small stack	VMF MI 07.01
11.	**Determination of average parameter**	**VMF MI 07.05**
11.1.	Assortment of value after the diameter groups	VMF MI 07.09
12.	**The constant reject volume calculation**	**VMF MI 07.07**
12.1.	The constant reject volume determination and calculation	VMF MI 07.07
12.2.	The constant metal reject volume determination and calculation	VMF MI 07.07
13.	**Stack measuring requirement**	**VMF MI 06.04**
14.	**Crush wood visual assessment**	**VMF MI 07.10**
15.	**-**	**-**
16.	**Car weighing**	**VMF MI 07.16**

[1] Quality is established according to the LVS 80 standard or the client's requirements (as stipulated by the agreement)