

TỔNG HỢP CÁC PHIẾU KIỂM NGHIỆM CAO SU ĐÁNH ĐÔNG BẰNG BIOHEVA PLUS

RUBBER RESEARCH INSTITUTE OF VIETNAM NATURAL RUBBER QUALITY MANAGEMENT CENTRE

Address: Highway 13, Lai Hung Commune, Bau Bang District, Binh Duong Province
Tel: 84.274.3534589; Email: lab.rriv@gmail.com

TEST RESULTS

No: 913/2024/TR-BI

- Producer: MAYAFARM JOINT STOCK COMPANY

- Type: Natural rubber

Grade: SVR 3L Received date: 4/9/2024

- Sample: MAU 1

Tested date: 4/9/2024

Property	Test results							Test Methods
	1							
Dirt (retained on 45µm aperture), %m/m	0.007							TCVN 6089:2016 (ISO 249:2016)
Ash . %m/m	0.24							TCVN 6087:2010 (ISO 247-1:2018)
Volatile matter. %m/m	0.58							TCVN 6088-1:2014 (ISO 248-1:2018)
Nitrogen %m/m	0.40							TCVN 6091:2016 (ISO 1656:2019)
Initial Wallace Plasticity (Po)	44.9							TCVN 8493:2010 (ISO 2007:2018)
PRI (P_{30}/P_o)x100%	89							TCVN 8494:2020 (ISO 2930:2017)
Lovibond colour:	4.5							TCVN 6093:2013 (ISO 4660:2011)
Mooney Viscosity ML(1'+4')100°C	70.5							TCVN 6090-1:2015 (ISO 289-1:2015)
Rheometric Cure (160°C, 1°arc 100cpm, ACS1:								TCVN 12010:2017 (ISO 6502:2016)
Torque Min, (dNm)	-							
Torque Max,(dNm)	-							
Scorch Time ts1,(m:s)	-							
Optimum cure time t90 (m:s)	-							

All tests on the samples submitted are carried out according to Vietnamese Standard TCVN 3769:2016 base on ISO 2000:2014.

9/9/2024

Date of issue



Nguyễn Hữu Trường

VILAS 063

Officer - in - charge of Laboratory

1. The results in the table above match the samples sent to Natural Rubber Quality Management Center by the customer.
2. None of those results shall be copied or quoted without permission from Natural Rubber Quality Management Center.

**RUBBER RESEARCH INSTITUTE OF VIETNAM
NATURAL RUBBER QUALITY MANAGEMENT CENTRE**

Address: Highway 13, Lai Hung Commune, Bau Bang District, Binh Duong Province
Tel: 84.274.3534589; Email: lab.rriy@gmail.com

TEST RESULTS

No: 914/2024/TR-BI

- Producer: MAYAFARM JOINT STOCK COMPANY

- Type: Natural rubber

Grade: SVR 3L Received date: 4/9/2024

- Sample: MAU 2

Tested date: 4/9/2024

Property	Test results							Test Methods
	1							
Dirt (retained on 45µm aperture), %m/m	0.017							TCVN 6089:2016 (ISO 249:2016)
Ash . %m/m	0.30							TCVN 6087:2010 (ISO 247-1:2018)
Volatile matter. %m/m	0.51							TCVN 6088-1:2014 (ISO 248-1:2018)
Nitrogen %m/m	0.40							TCVN 6091:2016 (ISO 1656:2019)
Initial Wallace Plasticity (Po)	45.3							TCVN 8493:2010 (ISO 2007:2018)
PRI (P_{30}/P_o)x100%	91							TCVN 8494:2020 (ISO 2930:2017)
Lovibond colour:	4.5							TCVN 6093:2013 (ISO 4660:2011)
Mooney Viscosity ML(1'+4')100°C	74.8							TCVN 6090-1:2015 (ISO 289-1:2015)
Rheometric Cure (160°C, 1°arc 100cpm, ACS1:								TCVN 12010:2017 (ISO 6502:2016)
Torque Min, (dNm)	-							
Torque Max,(dNm)	-							
Scorch Time t _{sl} (m:s)	-							
Optimum cure time t ₉₀ (m:s)	-							

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Nguyễn Hữu Trường

9/9/2024

Date of issue

Officer - in - charge of Laboratory

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HOA HIEP HUNG RUBBER JOINT STOCK COMPANY

Hoa Hiep Village, Tan Bien Dist, Tay Ninh Province, Viet Nam.

Tel: (84) 0276 387 1338 – Email: caosuhohiephung@gmail.com.

TEST CERTIFICATE

Accredited by Bureau of Accreditation - Ministry of Science & Technology

(Accreditation number: VILAS 1470)

No.: HHH/3L/2024

Manufacturer : HOA HIEP HUNG RUBBER JOINT STOCK COMPANY
Commodity : NATURAL RUBBER SVR 3L
Date of Production : 01/10/2024
Date of tested : 02/10/2024

Property	Mean test results of Lot No	Limit	Test methods
	1		
Dirt (retained on 45 μ m aperture) max(mean + 3sd). % m/m	0.010	0.03 max	TCVN 6089:2016
Ash max(mean + 3sd). % m/m	0.207	0.5 max	TCVN 6087:2010
Volatile Matter. % m/m	0.26	0.8 max	TCVN 6088.1:2014
Nitrogen. % m/m	0.41	0.6 max	TCVN 6091:2016
Initial Wallace Plasticity (Po)	45.0	35 min	TCVN 8493:2010
Plasticity Retention Index (PRI)	87.0	60 min	TCVN 8494:2020
Lovibond colour index	5.0	6.0 max	TCVN 6093:2013

All tests on the samples submitted are carried out according to Vietnamese Standard TCVN 3769:2016 base on ISO 2000:2014.

We certify that all the rubber in the above lots has been obtained from deliberately controlled grades of raw materials. The submitted sample is representative of the lot No: and has been correctly taken in accordance with the procedures in the TCVN 3769.

02/10/2024

Date of issue



NGUYỄN THỊ HOÀNG THU
Officer-in-charge of Laboratory

RUBBER RESEARCH INSTITUTE OF VIETNAM
NATURAL RUBBER QUALITY MANAGEMENT CENTRE

Address: Highway 13, Lai Hang Commune, Bau Bang District, Binh Duong Province
 Tel: 84.274.3534589; Email: lab.nrv@gmail.com

TEST RESULTS

No: 1006/2024/TR-BI

- Producer: MAYAFARM JOINT STOCK COMPANY

- Type: Natural rubber

Grade: -

Received date: 2/10/2024

- Sample: 01

Tested date: 2/10/2024

Property	Test results							Test Methods
	1							
Dirt (retained on 45µm aperture), %m/m	0.005							TCVN 6089:2016 (ISO 249:2016)
Ash, %m/m	0.21							TCVN 6087:2010 (ISO 247-1:2010)
Volatile matter, %m/m	0.15							TCVN 6088-1:2014 (ISO 248-1:2010)
Nitrogen, %m/m	0.35							TCVN 6091:2016 (ISO 1856:2010)
Initial Wallace Plasticity (Po)	42.3							TCVN 8493:2010 (ISO 2007:2018)
PRI (P_{50}/P_{100})x100%	82							TCVN 8494:2020 (ISO 2830:2017)
Lovibond colour:	-							TCVN 6093:2013 (ISO 4650:2011)
Mooney Viscosity ML(1+4)100°C	76.4							TCVN 6090-1:2015 (ISO 289-1:2015)
Rheometric Cure (160°C, 1"arc, 100rpm, ACS1)								TCVN 12010:2017 (ISO 6502:2016)
Torque Min. (dNm)	-							
Torque Max. (dNm)	-							
Scorch Time t ₅ (min)	-							
Optimum cure time t ₉₀ (min)	-							

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9/10/2024

Date of issue

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