

Rubber Latex Quality Check Report

Company Name: XYZ Rubber Industries

Report Date: 2025-01-12

Batch No: RL-2025-002

Customer Order No: 12346

Property	Unit	Test Method	Specification Range	Test Result
Dry Rubber Content (DRC)	%	ISO 126:2020	60.0 - 62.0	59.0
Total Solids Content	%	ISO 124:2014	63.0 - 65.0	66.5
Ammonia Content	%	ISO 125:1999	0.6 - 0.7	0.9
Viscosity (Brookfield)	mPa-s	ASTM D2196	50 - 80	45
pH	-	ISO 976:1996	10.0 - 11.0	9.5

Property	Unit	Test Method	Specification Range	Test Result
Tensile Strength	MPa	ISO 37:2017	>= 22.0	18.5
Elongation at Break	%	ISO 37:2017	>= 750	700
Modulus at 300% Elongation	MPa	ISO 37:2017	0.8 - 1.1	1.2

Property	Unit	Test Method	Specification Range	Test Result
Non-Rubber Content	%	ISO 1652:2011	<= 3.0	3.5
Coagulum Content	%	ISO 127:2021	<= 0.02	0.03
Volatile Fatty Acids (VFA)	%	ISO 506:1999	<= 0.05	0.06
KOH Number	mg KOH/g	ISO 1656:1996	<= 0.6	0.75

Test	Result	Specification
Stability After 48 Hrs	Fail	No coagulation
Dirt Content	0.05%	<= 0.02%

Color (Visual)	Yellowish	Creamy White
----------------	-----------	--------------

Observations and Remarks

Odor: Strong ammonia smell, not within acceptable limits.

Homogeneity: Visible coagulation observed after 48-hour stability test.

Packaging: Non-compliant with standard storage conditions (25°C, sealed).

Conclusion

The batch RL-2025-002 fails to meet the required quality standards for natural rubber latex and is deemed unsuitable for dispatch.