

National Standard: Natural Rubber Latex Concentrate – Centrifuged or creamed, ammonia-preserved types – Specifications (TCVN 6314:2013)

21/07/2015

Approved under the Decision No. 2398/QĐ-BKHCN dated August 02nd 2013 of the Ministry of Science and Technology

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Parameter	Centrifuged Latex			Creamed Latex		Testing Methods
	Type HA	Type LA	Type XA ^c	Type HA	Type LA	
Total solids content (TSC), % (weight), min.	61.0 or by an agreement between two parties			65.0	65.0	TCVN 6315 (ISO 124)
Dry Rubber Content (DRC), % (weight), min.	60.0	60.0	60.0	64.0	64.0	TCVN 4858 (ISO 126)
Non-rubber content, % (weight), max. ^a	1.7	1.7	1.7	1.7	1.7	–
Total Alkalinity (NH ₃), by weight of Latex Concentrate, % (weight)	min 0.60	max 0.29	0.30 – 0.59	min 0.55	max 0.35	TCVN 4857 (ISO 125)
Mechanical Stability Time (MST), sec., min. ^b	650	650	650	650	650	TCVN 6316 (ISO 35)
Coagulum content, % (weight), max.	0.03	0.03	0.03	0.03	0.03	TCVN 6317 (ISO 706)
Copper content, mg/kg of TSC, max.	8	8	8	8	8	TCVN 6318 (ISO 8053)
Manganese content, mg/kg of TSC, max.	8	8	8	8	8	TCVN 6319 (ISO 7780)
Sludge content, % (weight), max.	0.10	0.10	0.10	0.10	0.10	TCVN 6320 (ISO 2005)
Volatile fatty acid (VFA), max.	0.06 or by an agreement between two parties					TCVN 6321 (ISO 506)
KOH number, max.	0.70 or by an agreement between two parties					TCVN 4856 (ISO 127)

^a Difference between Total solids content (TSC) and Dry Rubber Content (DRC).
^b Mechanical Stability Time normally stabilizes within 21 days.
^c XA is equivalent to the medium ammonia latex.

Note:

Centrifuged latex, type HA (High Ammonia): centrifuged latex preserved after concentration with ammonia only, and the alkalinity is not less than 0.60% based on latex weight.

Centrifuged latex, type LA (Low Ammonia): centrifuged latex preserved after concentration with ammonia and other preservatives, the alkalinity is not more than 0.29% based on latex weight.

Centrifuged latex, type XA: centrifuged latex preserved after concentration with ammonia together with other preservatives, and the alkalinity is between 0.30% and 0.59% based on latex weight.

Creamed latex, type HA (High Ammonia): creamed latex preserved after concentration with ammonia only, and the alkalinity is not less than 0.55% based on latex weight.

Creamed latex, type LA (Low Ammonia): creamed latex preserved after concentration with ammonia together with one or more additional preservatives, and the alkalinity is not more than 0.35% based on latex weight.