



REPUBLIC OF BELARUS
JSC "Grodno Azot"
100,pr.Kosmonavtov,Grodno,230013
Tel 79-46-75,Fax (0152)72-15-36

Quality Certificate N

Consignee,address,country

Contract №

QUR REF

Truck N

Lot

Date of manufacture

Grade	Name of the goods	Type of transport container	Unit	Quantity	Weight,kg (gross,net)	Volume m3
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CAPROLACTAM (LIQUID)

high

GOST 7850-86

Quality parameters

Parameters description		Norms	Actual parameter
1	Permanganate index, units, not more than	4	
2	Color of caprolactam water solution, mass fraction 50%, Hazen units	3,0	
3	Volatile bases content, mmol/kg, not more than	0,4	
4	Cyclohexanoneoxime mass fraction, %, not more than	0,002	
5	Iron mass fraction,%, not more than	0,00002	
6	Crystallization temperature, °C, not less than	68,8	
7	Optical density with mass fraction 50%, not more than	0,04	
8		0,1	
9	pH 20% solution	6,7 - 7,3	

Loading condition

Parameters description		Norms	Actual parameter
1	Filling temperature, °C, not more than	not more than 85C° in summer,95C° in winter	
2	Excessive pressure, at, not more than	1,5	
3	Oxygen volume fraction in nitrogen, %, not more than	0,0005	

CAPROLACTAM (LIQUID) corresponds GOST 7850-86

Quality system is certified according to ISO 9001,certificate of conformity BVQJ UA 226725 until 27.11.2014



Delivery date

Quality Control Department Manager