



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

Quality Certificate N

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

Quality parameters

Parameters description	Norms	Actual parameter
1 Permanganate index, units, not more than	4	
2 Color of caprolactam water colution, mass fraction 50%, Hazen units	3,0	
3 Volatile bases content, mmol/kg, not more than	0,4	
4 Cyclohexanonoxime 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 Alkalinity, mmol/kg, not more than	0,1	
9 Acidity, mmol/kg, not more than	0,05	
10 pH 20% solution	6,7 - 7,3	
11 Filling temperature, °C, not more than	not more than 85C° in summer.95C° in win	
12 Excessive prsure, ati, not more than	1,5	
13 Oxygen volume fraction in nitrogen, %, not more than	0,0005	

CAPROLACTAM (LIQUID)

CORRESPONDS GOCT 7850-86 and CONTRACT

Quality system is certified according to ISO 9001, certificate of conformity **BVQJ** UA225876 from 28.11.2008



Quality Control Department Manager

Delivery date :