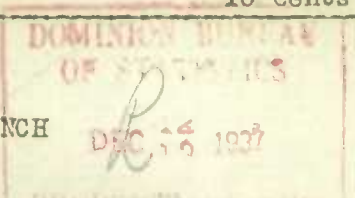


26-009

DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA



Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)  
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.

MONTHLY REPORT

FELDSPAR AND SALT PRODUCTION IN CANADA - SEPTEMBER, 1937.

FELDSPAR - Canadian producers shipped 2,216 tons of feldspar during September as compared with 2,088 tons in the preceding month and 2,403 tons in September, 1936, according to a statement just issued by the Dominion Bureau of Statistics at Ottawa. During the first nine months of 1937, shipments totalled 15,611 tons; in the corresponding months, a year ago, 12,982 tons were shipped.

Customs' records show that 111 tons of ground feldspar worth \$1,935 were imported in September; during August, 144 tons at \$2,441 were brought into Canada. Importations during the period January to September 1937, totalled 1,020 tons as against 526 tons a year ago.

PRODUCTION OF FELDSPAR IN CANADA

Months	1937 (a)	1936	1935
	Tons	Tons	Tons
January .....	1,177	788	819
February .....	1,538	819	635
March .....	2,061	767	873
April .....	1,048	721	552
May .....	1,224	1,074	1,136
June .....	1,801	2,242	1,907
July .....	2,458	2,499	2,660
August .....	2,088	1,669	1,923
September .....	2,216	2,403	1,169
October .....		1,962	1,701
November .....		1,591	3,165
December .....		1,311	1,202
TOTAL - CALENDAR YEAR .....		17,846	17,742
TOTAL - NINE MONTHS ending SEPTEMBER ....	15,611	12,982	11,674

(a) Subject to revision.

SALT - Commercial salt shipments from Canadian plants in September totalled 25,922 tons; in August, 20,011 tons were shipped while in September, 1936 shipments amounted to 19,404 tons. During the nine months ending September, 181,825 tons of salt were shipped as compared with 158,515 tons, a year ago.

Exports of salt from Canada in September declined to 842 tons from the August total of 1,278 tons. Shipments from Canada during the first nine months of the current year aggregated 6,375 tons or 73.2 per cent above the tonnage exported in the corresponding period of 1936.

Receipts of salt during September advanced to 14,467 tons appraised at \$67,172 from the August imports of 796 tons at \$41,775. Great Britain supplied 40.5 per cent of the September imports; the United States, 38.0 per cent; French Africa, 7.6 per cent; Newfoundland, 7.0 per cent and Spain; 6.9 per cent. The current month's importations consisted of 4,451 tons of salt for sea or gulf fisheries, 4,525 tons of salt in bulk, n.o.p. and 5,491 tons of other salt in bags, barrels and other coverings.

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
RESEARCH REPORT NO. 1000  
BY J. H. GOLDSTEIN AND R. F. W. WILSON  
1954

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
RESEARCH REPORT NO. 1000  
BY J. H. GOLDSTEIN AND R. F. W. WILSON  
1954

EXPERIMENTAL

PREPARATION OF THE POLYMER

The polymer was prepared by the reaction of the monomer with the catalyst in the presence of the solvent. The reaction was carried out in a glass vessel equipped with a magnetic stirrer and a reflux condenser. The reaction mixture was stirred for a period of 24 hours at 60°C. The resulting polymer was then precipitated into methanol and dried under vacuum at 40°C for 48 hours.

The inherent viscosity of the polymer was determined in chloroform at 30°C. The inherent viscosity was found to be 0.45 dl/g. The number-average molecular weight of the polymer was determined by endgroup analysis and was found to be 15,000.

MEASUREMENT OF THE INHERENT VISCOSITY

Concentration (g/dl)	Inherent Viscosity (dl/g)
0.1	0.045
0.2	0.090
0.3	0.135
0.4	0.180
0.5	0.225
0.6	0.270
0.7	0.315
0.8	0.360
0.9	0.405
1.0	0.450

The inherent viscosity of the polymer was determined in chloroform at 30°C. The inherent viscosity was found to be 0.45 dl/g.

The number-average molecular weight of the polymer was determined by endgroup analysis and was found to be 15,000.

The inherent viscosity of the polymer was determined in chloroform at 30°C. The inherent viscosity was found to be 0.45 dl/g.

The number-average molecular weight of the polymer was determined by endgroup analysis and was found to be 15,000.

PRODUCTION OF COMMERCIAL SALT IN CANADA

Months	1937 (a)	1936	1935
	Tons	Tons	Tons
January .....	11,910	11,013	11,189
February .....	11,706	11,662	10,905
March .....	13,504	13,411	13,860
April .....	26,101	16,064	21,509
May .....	24,343	27,016	22,857
June .....	24,841	19,257	16,510
July .....	23,487	20,962	23,841
August .....	20,011	19,726	15,788
September .....	25,922	19,404	18,225
October .....		22,496	20,400
November .....		30,205	26,505
December .....		14,218	13,323
TOTAL - CALENDAR YEAR .....		225,434	214,910
TOTAL - NINE MONTHS ending SEPTEMBER .....	181,825	158,515	154,682

(a) Subject to revision.

STATISTICS CANADA LIBRARY  
BIBLIOTHÈQUE STATISTIQUE CANADA



1010766176