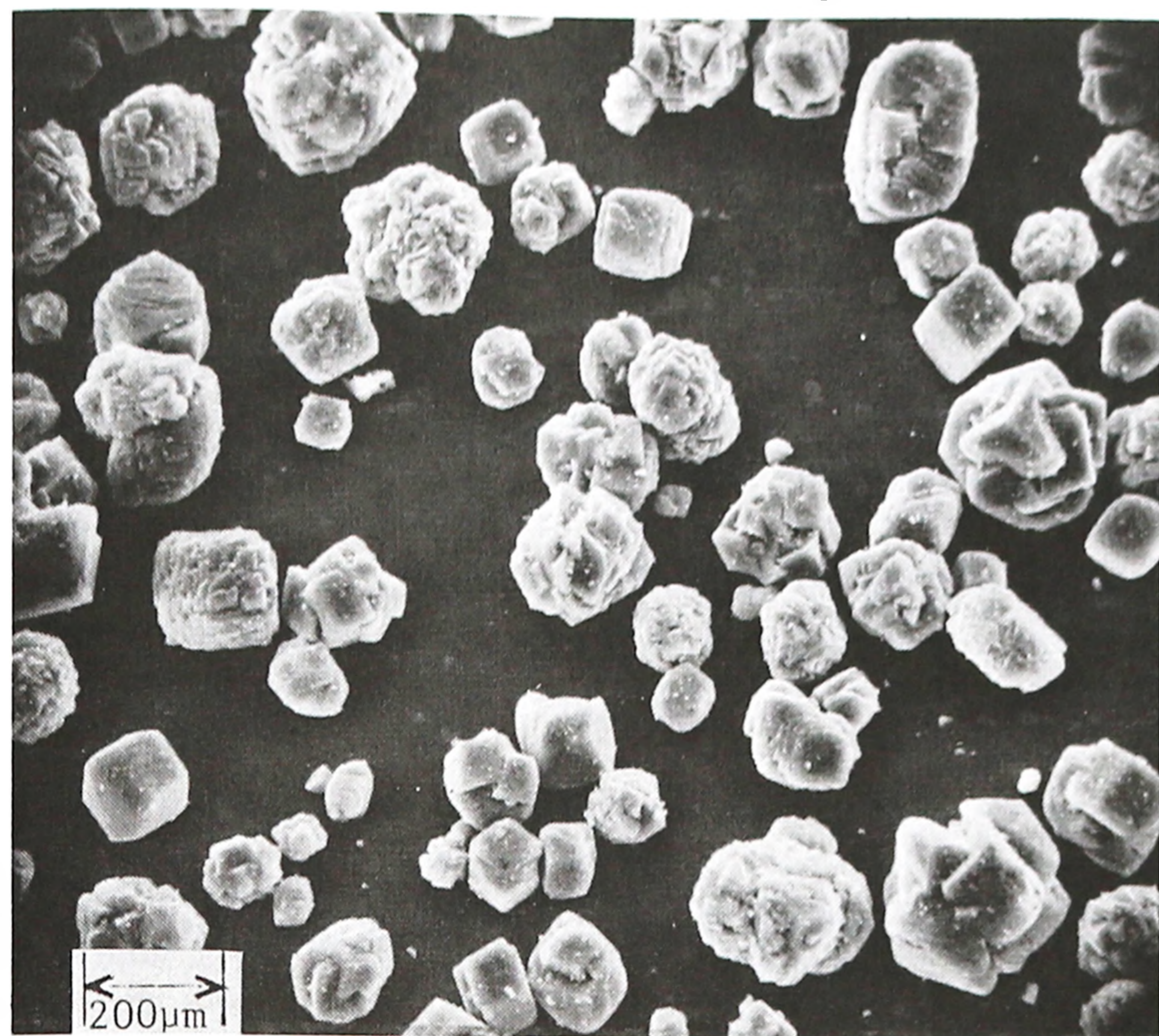
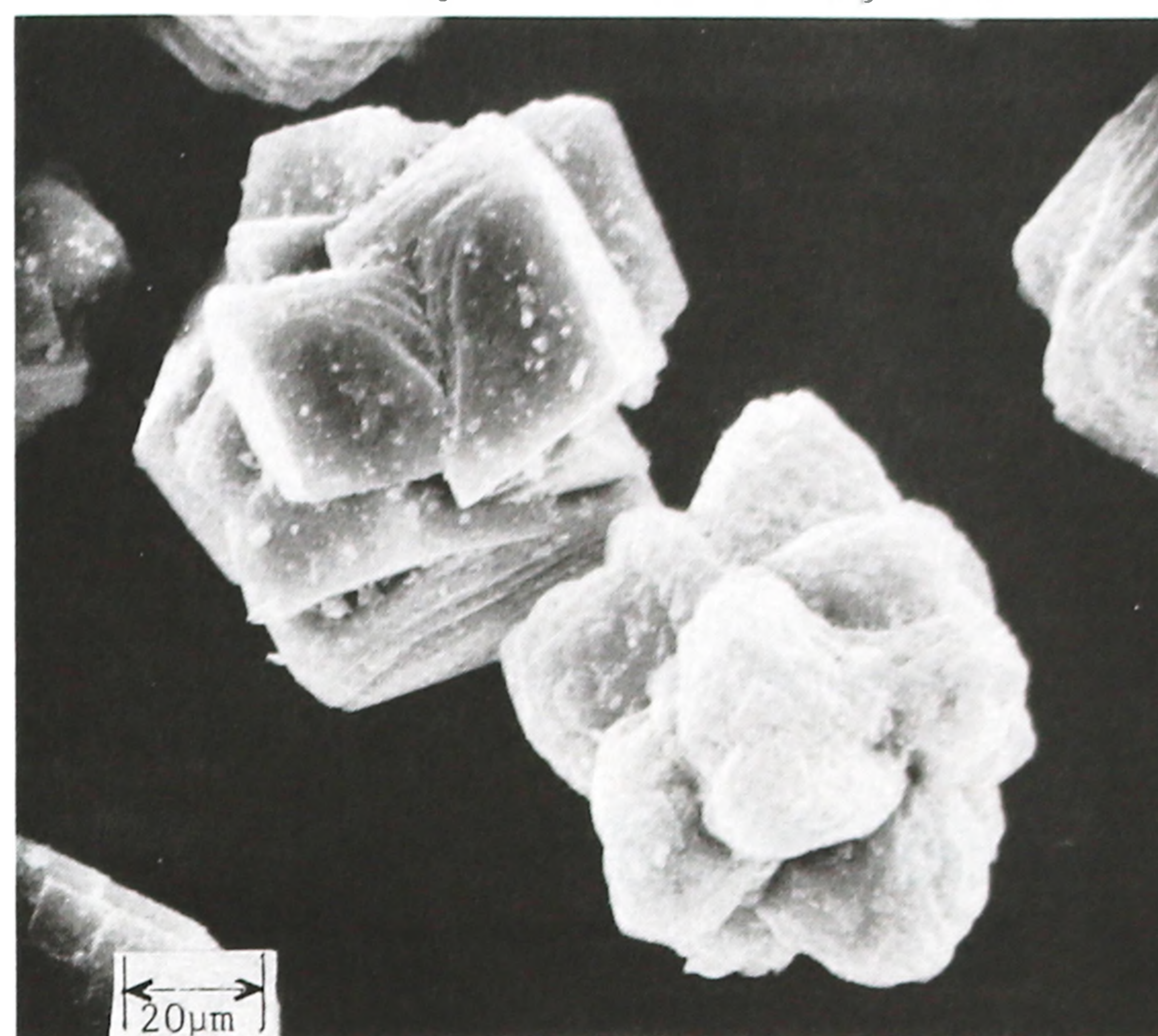


**SEM 5:** Excipient: calcium carbonate; manufacturer: Whittaker, Clark & Daniels; lot no.: 15A-2; magnification: 600 $\times$ ; voltage: 20 kV.



**SEM 6:** Excipient: calcium carbonate; manufacturer: Whittaker, Clark & Daniels; lot no.: 15A-2; magnification: 2400 $\times$ ; voltage: 20 kV.



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## 21 Author

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## 22 Date of Revision

4 May 2017.

# Ca Calcium Chloride

## 1 Nonproprietary Names

BP: Calcium Chloride Dihydrate  
Calcium Chloride Hexahydrate  
JP: Calcium Chloride Hydrate  
PhEur: Calcium Chloride Dihydrate  
Calcium Chloride Hexahydrate

USP–NF: Calcium Chloride

Note that the JP XVII and USP 40–NF 35 S1 monographs list the dihydrate form.

## 2 Synonyms

Calcii chloridum dihydricum; calcii chloridum hexahydricum.

## 3 Chemical Name and CAS Registry Number

Calcium chloride anhydrous [10043-52-4]  
Calcium chloride dihydrate [10035-04-8]  
Calcium chloride hexahydrate [7774-34-7]

## 4 Empirical Formula and Molecular Weight

CaCl<sub>2</sub> 110.98 (for anhydrous)  
CaCl<sub>2</sub>·2H<sub>2</sub>O 147.0 (for dihydrate)  
CaCl<sub>2</sub>·6H<sub>2</sub>O 219.1 (for hexahydrate)

## 5 Structural Formula

See Section 4.