

OXP chew™

Solid State Suspension

Delicious and Effective

- **OXP chew™** solid state suspensions are soft chews where an insoluble active ingredient is suspended in a semi-solid matrix
 - Provides for rapid dissolution profiles
 - Superior organoleptic mouth feel
 - Ideal delivery format for children
 - Can be used for pharmaceutical and food supplement products
- **OXP chew™** solid state suspensions are matrices comprised of sugar and non-sugar carbohydrates which are naturally sweet and excellent taste maskers
- **OXP chew™** is currently used in marketed Calcium / Vitamin D products
 - Ellactiva
 - Inellare



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Case Study: Ellactiva

- Marketed calcium / Vitamin D supplement using **OXP chew™**
- Calcium carbonate particles are uniformly and substantially dispersed within the **OXP chew™** matrix
- Matrix dissolves rapidly at stomach conditions (pH1.5, Figure 1)
- Aids the 'wetting' of the calcium carbonate particles and releases them in conditions ideal for solubilisation
- Tests demonstrated significant improvements in the dissolution profile of **OXP chew™** relative to standard calcium tablets and chewable tablets (Figures 1 and 2)
- Just 2 chews provide 100% of the RDA for calcium and Vitamin D

Figure 1. Dissolution of **OXP chew™**, regular and chewable calcium tablets at pH1.5

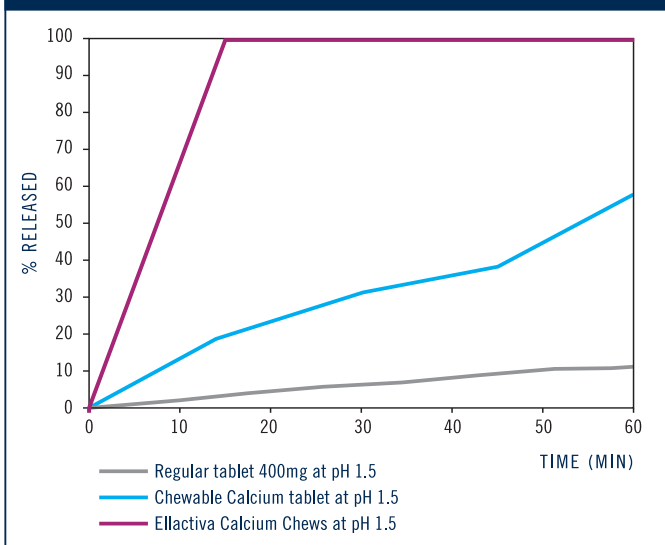
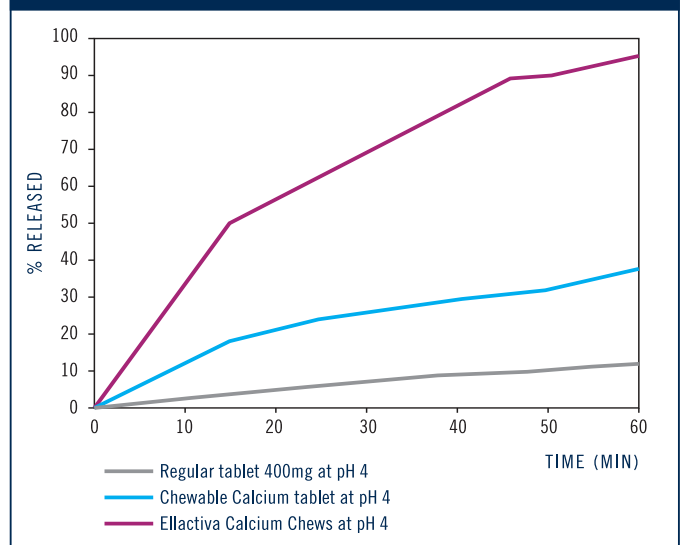


Figure 2. Dissolution of **OXP chew™**, regular and chewable calcium tablets at pH4.0



To find out more contact:

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