

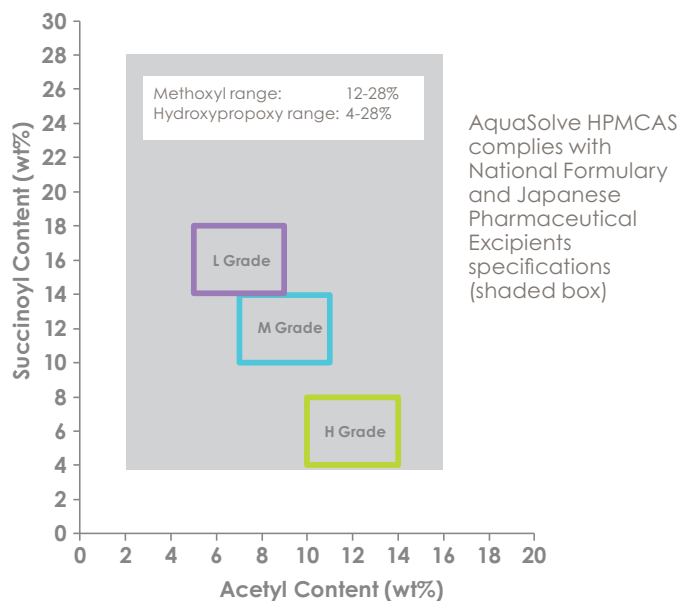
AquaSolve™ Hypromellose Acetate Succinate (HPMCAS) Versatile Cellulosic Enteric Coating Polymers

AquaSolve HPMCAS is a mixture of acetic acid and monosuccinic acid esters of hydroxypropylmethyl cellulose. HPMCAS was developed as an enteric film coating because it is insoluble in acidic gastric fluid, but will swell and dissolve rapidly in the upper small intestine.

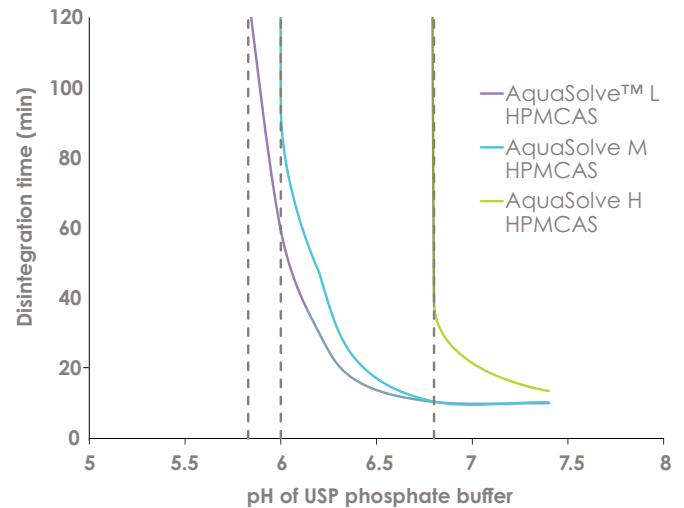
Features and Benefits of AquaSolve HPMCAS

Feature	Benefit
pH-dependent dissolution that varies by grade	Broad formulation flexibility
Fine particle size	Ease of spraying and good pseudolatex film formation
Low viscosity	Good processability in neutralized coating solutions
Performance matches monograph-compliant competitive products	Reduced risk in excipient sourcing and ease of interchangeability

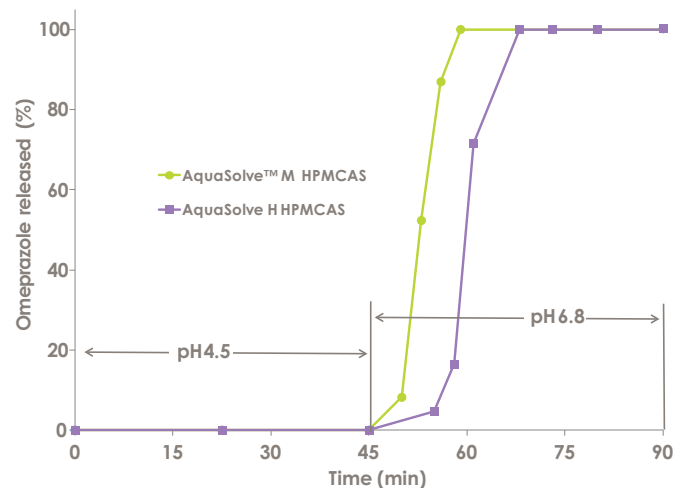
AquaSolve HPMCAS is available in three grades differentiated by degree of substitution. Each grade is available in two particle sizes (coarse and granular).



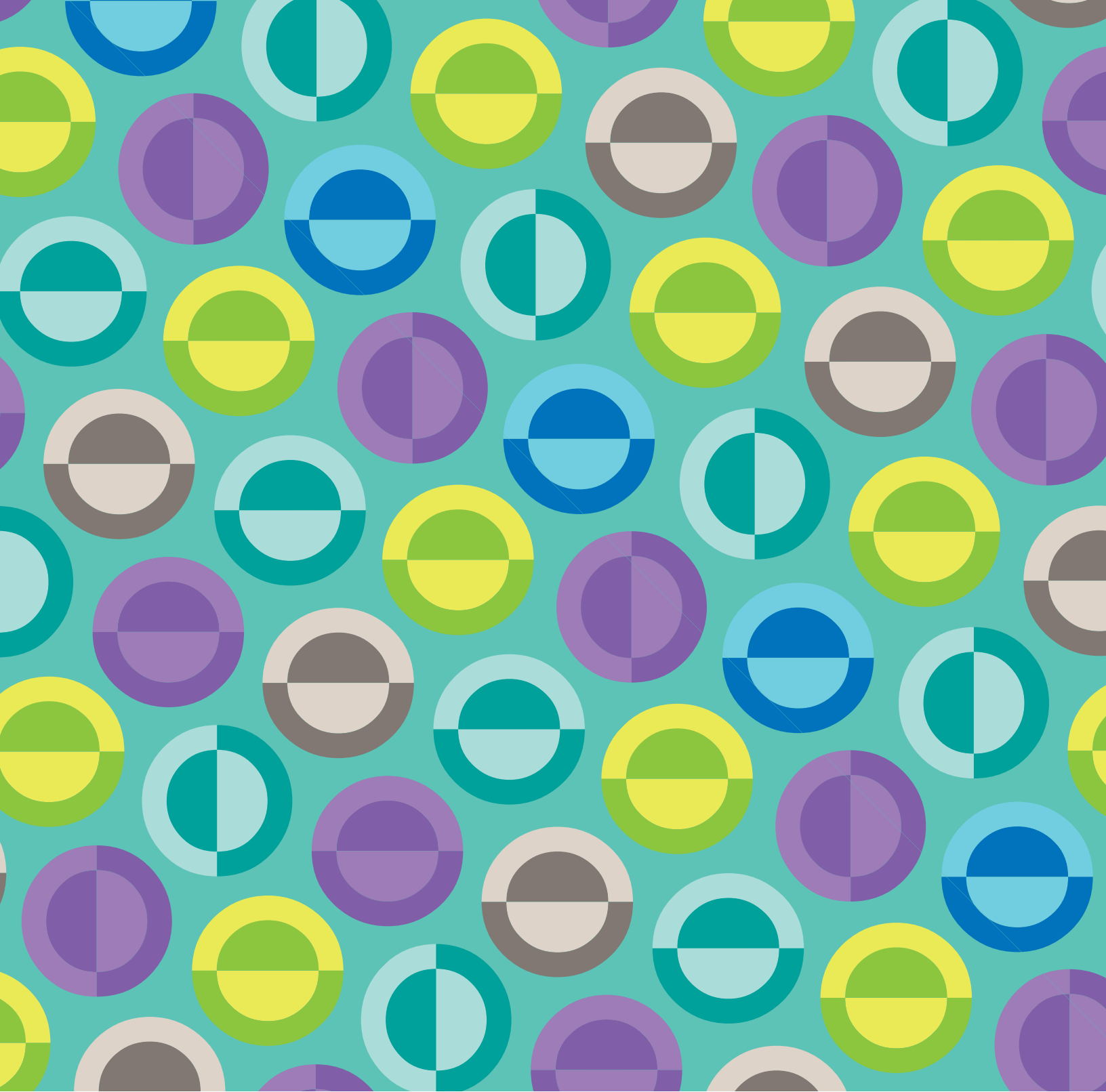
The dissolution of each grade is pH dependent (shown here in USP phosphate buffer).



Consult the product data sheet or the excipient information package for further details on specifications. Additional substitution levels and ranges are available upon request. Detailed product information is available in the AquaSolve™ Hydroxypropylmethylcellulose Acetate Succinate Physical and Chemical Properties Handbook.



The enteric coating performance of M and H grades of AquaSolve HPMCAS were tested using the British Pharmacopoeia method. The pH-dependent release profiles of AquaSolve HPMCAS provide flexibility to formulators of enteric film coatings along with processing ease.



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