

# Accepted Manuscript

Formulation and optimization of controlled release powder for reconstitution for metoprolol succinate multi unit particulate formulation using risk based QbD approach

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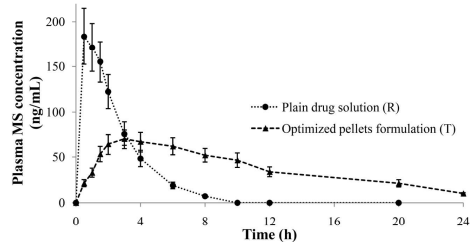
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Drug Product CQA		Formulation attribute					
		API particle size	Core pellet size	Core pellet quantity	Drug layering technique	Extent of CR coating	Drug: Polymer
Initial	Dissolution	Low	Medium	Medium	Medium	High	High
	Assay	Low	Low	Low	Low	Low	Low
	Initial strategy	No investigation	Investigate	Investigate	Investigate	Optimize by DoE	Optimize by DoE
Final	Dissolution	Low	PAR identified	PAR identified	PAR identified	Critical PAR identified	Critical PAR identified



### Initial and Final Risk assessment by Failure Mode and Effects Analysis (FMEA)

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