















		Read Press
ANCE		
ter- tablet	variability - 7%	
	Microscopy	TPI
Sample	layer thickness (µm)	layer thickness (µm)
S1	139	130
S3	149	149
S4	144	143
S5	160	155
S6	137	143
S7	142	130
S8	150	150
S9	134	128
S10	151	152
Average	145	142
T Test		
(n value)	0.17	



















ECCA ROMAN COMPLIANCE ACADEMY				
Sustained-re	elease t	ablets		
			aqueous	solid
		Kollicoat SR 30 D	50%	67.8%
		Kollicoat IR	6%	27.11%
Diprophyllin	10%	Polysorbat 80	0.075%	0.34%
Kollidon VA 64	5%	Glycerolmonostearat	0.30%	1.36%
Magnesiumstearate	0.5%	Triethylcitrat	0.75%	3.39%
Flowlac 100	84.5%	Deionised water ad	100%	10













ECA Evendment Compliance Academy	X					F.P.		
Discrimination be Dissolution vs weigh	twee t gain	n pi	lot a	nd la	ab so	ales		
		MDT (hr)	T20% (hr)	T1/2 (hr)	T80% (hr)	Dissolution release constant	Weight gain (mg)	
	PBI Mean	9.7	3.5	8.6	15	1.29	42.5	
	PBII Mean	9.8	3.6	8.4	15	1.23	42.6	
	LBI Mean	5.4	1.9	4.8	8.0	2.30	42.8	
	LBII Mean	5.4	1.9	5.0	8.4	2.26	42.5	
	PBI & LBI		0.07			0.50	0.400	
	SD	2.2	0.87	1.9	3.6	0.52	0.490	
	RSD %	29	32	28	31	29	1.15	
	I test	2.0E-20	5.4E-20	5.1E-21	6.4E-17	1.0E-17	0.185	
	PBI & LBII							
	SD	2.2	0.86	1.8	3.4	0.50	0.738	
	RSD %	29	32	27	29	28	1.74	
	T test	1.01E-20	1.57E-21	7.15E-22	1.05E-18	3.09E-20	0.930	
	PBII & LBI							
	SD	2.3	0.91	1.8	3.5	0.55	0.387	
	RSD	30	33	28	30	31	0.906	
	T test	3.36E-16	6.20E-20	1.61E-20	1.47E-15	5.89E-18	0.247	
	PBII & LBII							
	SD	2.2	54	1.8	3.3	0.53	0.686	
	RSD	29	33	27	28	30	1.61	
	T test	1.36E-15	2.84E-21	2.70E-21	1.03E-16	2.87E-20	0.707	26
		-			-			



CA* * * COMPLIANCE LDEMY			2.				Por series	
		E. C.				The second second	7	
Correlat	ions	– ea	rly i	ndica	ations			
					Discolution			Coating
					release	Weight		laver
	MDT	T20%	T1/2	T80%	constant	gain	TEFPS	thicknes
MDT	1.00	0.99	0.99	0.99	-0.98	-0.29	0.89	-0.95
T20%	0.99	1.00	1.00	0.99	-1.00	-0.24	0.89	-0.93
T1/2	0.99	1.00	1.00	1.00	-0.99	-0.27	0.90	-0.94
T80%	0.99	0.99	1.00	1.00	-0.99	-0.26	0.89	-0.93
Dissoluton								
Dissoluton release			0.00	-0.00	1.00	0.24	-0.90	0.93
Dissoluton release constant	-0.98	-1.00	-0.99	-0.99		-		
Dissoluton release constant	-0.98	-1.00	-0.99	-0.99		-		





* * Europe A	AN COMPLIANCE CADEMY	1	A A		ALC: NO					a free and a second sec
	Contri	buti	ng fa	icto	r - T	EFPS and d	ensity	/		
	 Pilot Hig dis 	scal gher ⁻ solut MDT (hr)	e: TEFPS ion rat T20% (hr)	$S \rightarrow $ te \rightarrow T1/2 (hr)	nigher longe T80% (hr)	RI → higher de r MDT??? Dissolution release constant (mg/hr)	ensity → Weight gain (mg)	Slowe	Coating layer thickenss (um)	
	PBI Mean	9.7	3.5	8.6	15	1.29	42.5	20.9	190	
	PBII Mean	9.8	3.6	8.4	15	1.23	42.6	20.7	188	
	LBI Mean	5.4	1.9	4.8	8.0	2.30	42.8	19.4	200	













ECCA EDEOPLAN COMPLIANCE ACADEMY	A			R.	
Amount of polymer applied (mg/cm ²)	Increment	Average film coating thickness (µm)	Increment	Average TEFPS (%)	Reduction
7.0		46		19.9	
	10%		12%		3.0%
8.7		62		19.4	
	10%		10%		0.6%
10.5		76		19.3	
	10%		10%		2.4%
12.2		90		18.9	
	10%		13%		6.0%
14.0		108		17.9	
	10%		7%		0%
15.7		117		17.9	
	10%		15%		7.8%
17.5		138		16.6	
	L. H	o, et al. EJPB., In Press	s. DOI: 10.10′	16/j.ejpb.2008.	.06.023 ₃₈

































