

Table S1 Statistical comparison between the results of tablet dosage form obtained by the proposed and the reported methods.

	HCTZ		LOS		ROS	
	Proposed	reported ^a	proposed	reported ^a	proposed	Reported ^b
Mean	98.67	99.49	100.65	99.57	99.59	99.4
Variance	0.33	1.62	0.54	1.75	0.09	0.04
observations	6	6	6	6	6	6
t-test ^c	1.45		1.76		1.32	
F-ratio ^c	0.21		0.31		2.38	

^{a1}Spectrophotometric method for concurrent determination of HCTZ and LOS.

^{b2}Spectrophotometric method based on measuring absorbance at λ_{max} of ROS (243 nm).

^cThe tabulated values for the t-test and the F-ratio are 1.81 and 10.97 respectively, at $p = 0.05$

Table S2. The Eco-scale green assessment profile for the evaluation of the proposed and the reported HPLC methods

Category	Method			
	Proposed method	Reported method ³	Reported method ⁴	Reported method ⁵
<u>1. Chemicals</u>	Amount x hazard type x hazard amount			
SDS	1 x3 x2=6	-	-	1 x3 x2=6
H ₃ PO ₄	1 x2 x1=2	-	1 x2 x1=2	-
Formic acid		1 x3 x2=6	-	-
Acetonitrile		2 x2 x2=8	-	1 x2 x2=4
Acetic acid			-	1 x2 x2=4
Ethylene glycol			-	1 x2 x1=2
Ethanol			2 x2x2=8	
<u>2. Occupational hazard</u>	hermetic sealing = 0			
<u>3. Energy</u> (kWh/sample)	$\leq 1.5 = 1$	$> 1.5 = 2$	$\leq 1.5 = 1$	$\leq 1.5 = 1$
<u>4. Waste</u>				
a)Amount	1-10 = 3	1-10 = 3	$>10 = 5$	$>10 = 5$
b)Waste treatment	Biodegradation =1	No treatment =3	No treatment =3	Biodegradation =1
Total Penalty Points	13	22	19	23
AES Score	87	78	81	71

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