Chapter 41	Current	Official 1 st Dec 2013, can be applied 3 rd June 2013		
Scope	Defines 'the requirement for balances used to	Same scope with improved wording for greater clarity		
	weigh analytes for quantitative measures'			
Calibrated Balance	Not specified New requirement to use a calibrated balance			
Number of Balance Test	1 – repeatability 2- repeatability and accuracy			
Test 1 – Repeatability (A different and more stringent rounding rule has been introduced)				
Limit of repeatability test	≤ 0.1%	≤ 0.10%		
Expansion factor	3			
No. of replicate weighings	10	10		
Acceptance criterion (RP)	$3*s/m \le 0.1\%$	$2*s/m \le 0.10\%$		
Other criterion	No	If the repeatability obtained is smaller than 0.41 d, where d is		
		the scale interval, replace the standard deviation with 0.41 d		
Test 2 – Accuracy				
Limit of accuracy test	N/A	 ≤ 0.10%		
Test weights /	N/A	Must be between 5% and 100% of the balance capacity		
Chapter 1251 Current Official 1 st Dec 2013, can be applied 3 rd June 2013				

Chapter 1251	Current	Official 1 st Dec 2013, can be applied 3 rd June 2013
Scope	Applies to 'all analytical	Same
	procedures'	
Balance Test		
Performance Test	Drift check to be performed	Risk analysis determines the frequency of any test
	daily	
Built-in weights	N/A, only a statement on	Checks can be partially replaced using automatic or manually triggered adjustment by means
	www.fda.gov	of built-in weight.
Minimum Weight	Not specified	It is clearly stated that minimum weight applies to the sample weight, not the tare or gross
		weight
Calculation of	Not specified	A new method for calculating minimum weight is given with the standard deviation, s, derived
Minimum Weight		by using a test weight 'up to a few percent of the balance capacity': m = 2000*s
Repeatability Test	Not specified	As repeatability fluctuates over time, when possible, weighing should be performed at larger
		values than the minimum weight (safety factor).
Gravimetric Dosing	Not specified	Now described as an alternative to gravimetric-volumetric methods – so Quantos is accepted