























	response of Levetiracetam should be NLT 0.995	
LOD/LOQ	The% of RSD for area response of Levetiracetam from six replicates at LOQ level should be NMT 10.0%	LOD/LOQ parameters meets the requirements of method validation.
Method Precision	% of RSD for purity and Area at 100% of specification and 150% of specification level not more than 2.0%	Method precision parameter meets the criteria and %RSD value of retention times, peak areas were found to be less than 2%.
Range	At 25% to 150% of specification level to be precise, accurate and linear.	Meet the criteria At 25% to 150% of specification level and found it to be precise, accurate and linear.
Ruggedness (or) Intermediate Precision:	Different system, by different analyst and in different column the %RSD for area & purity at 100% of specification level was not more than 2.0%.	%RSD for area & purity at 100% of specification level was calculated which is well within the acceptance criteria of not more than 2.0%
Test solution and Mobile phase Stability	Established the stability of standard solution, test solution and mobile phase which was used in estimation of % of purity, over a period of 2 days.	The results from these studies indicated, the standard & sample solution, Mobile phase was stable at room temperature for at least 48(48h).
Robustness	A small deliberate variations in method parameters like flow rate ( $\pm 0.2$ mL/min), Column oven temperature ( $\pm 5^\circ\text{C}$ ), and pH ( $\pm 0.2$ ).	From the results reveal that the method is robust.

### CONCLUSION

The Isocratic Rapid Resolution High Performance Liquid Chromatographic (RRHPLC) method developed for the analysis of levetiracetam in their pharmaceutical preparations is precise, accurate, and with a reasonable run time. The developed method was validated as per ICH Guidelines shows that the developed method was highly specific and robust so that it can be effectively applied for routine analysis in research institutions, in quality control department of pharmaceutical industries, and in approved testing laboratories, from the above experimental data on the various method validation parameters, it is proved that

this method which was designed to determine the related impurities in Levetiracetam is precise, accurate, linear, rugged, robust and range from 25% to 150% of the Specification. Hence, the method can be used for routine application.

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