

## Report on the paper

### **On the Volkenborn integral of the $q$ -extension of the $p$ -adic Gamma function**

by

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The paper under review deals with deriving certain formulas for the  $q$ -extension of the  $p$ -adic Gamma function. All results rigorously are proved. Nevertheless, it has some gaps and needs revision (see below). In the present form the paper is very "dry", and needs some polishing and workout.

1. In Theorem 2.1, the author put some conditions (see page 4, line 8 (from the top)). It is not clear where the authors use this condition in the proof of the theorem. This point should be clarified.
2. To prove Theorem 2.5, it is used Theorem 2.1, while in the formulation of Theorem 2.1 certain conditions are used, but in Theorem 2.5 we do not see any kind of conditions.
3. The authors are asked to compare the obtained results with known ones. Moreover, they need to state some possible applications of the results.

After the revision the paper could be accepted for the publication in Jour. Math. Anal.