

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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### IEC TS 62607-6-13 Edition 1.0 2020-07

#### NANOMANUFACTURING – KEY CONTROL CHARACTERISTICS – Part 6-13: Graphene powder – Oxygen functional group content: Boehm titration method

### CORRIGENDUM 1

#### *Document title*

Replace "Part 6-13: Graphene powder" with "Part 6-13: Graphene-based material".

#### **1 Scope**

Under the first bullet, replace "on graphite oxide" with "for powder consisting of graphene-based material like graphite oxide".

##### **3.1.1 General terms**

At the end of the subclause, add the following new entry:

###### **3.1.1.6**

###### **graphene-based material**

GBM

graphene material

grouping of carbon-based 2D materials that include one or more of graphene, bilayer graphene, few-layer graphene, graphene nanoplate, and functionalized variations thereof as well as graphene oxide and reduced graphene oxide.

Note 1 to entry: "Graphene material" is a short name for graphene-based material.

##### **5.1.4 Titration of the filtrate**

In item c), last sentence, delete three instances of  $V_{\text{NaOH},2}$  as follows:

"Record the volume  $V$  (HCl) of titrant acid corresponding to the second end-point as  $V_{A0}$ ,  $V_{A1}$ ,  $V_{B0}$ ,  $V_{B1}$ ,  $V_{C0}$ ,  $V_{C1}$ ,  $V_{D0}$ ,  $V_{D1}$  and  $V_E$ , respectively."