List of errors in WGS data sheet

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| **Row Numbers** | **Error Description** | **Correction** | **Ref.** |
| 72,79,100,278,775,779,785,1599,1600,2075,2077,2098,2123,2125,2126,2135,2138,2151,2152,2190,2191,2192,2326,2332,2693,2694,2695,2741,3496,3497,3498,3499,3529,3535,3536,3588,3636,3820,4032,4070,4167,4313,4314,4315 | CO Conversion = 0 | Remove from the data sheet |  |
| 2742 ~ 2761 | Support Type = 0 | YSZ from Promoter is shifted to Support Type | Kim [S52] |
| 2701 ~ 2715 | Promoter Ce = 78.7 wt% (too high)  78.7 wt% Ce is the sum of promoter and Support CeO2 | promoter Ce = 3.27 wt%  support CeO2 = 95.82 wt% | Kim [S52], Kim’s email reply |
| 2453 ~ 2476 | Sum of support < 1  miss CeO2 in mixed supports CeO2–Me2O3 (Me = Y, La, Sm, Gd, Yb) | Add CeO2 = 90% | Andreeva et al.[S50] |
| 4316 ~ 4336 | Sum of support = 0.992 (< 1 ) | Mass fraction:  Al2O3 = 0.668  CeO2 = 0.159  Tb4O7 = 0.173 | Gatica et al.[S84].  Email reply from Yildirim (mole fraction): Al2O3 = 0.85, CeO2 = 0.12, TbO2 = 0.03 |
| 3480 | CeO2 = 0.75, La2O3 = 0.25, Sm2O3 = 0.25, sum of support = 1.25 | La2O3 = 0 | Duarte de Farias et al.[S64], Fig 6 |
| 3753 ~ 3779 | CeO2 = 0.95, SiO2 = 0.5, sum = 1.45 | SiO2 = 0.05 | Hwang et al.[S74] |
| 483 ~ 511 | CeO = 1 and ZrO2 = 1  No ZrO2 in Sakurai et al.[S14] | ZrO2 = 0 | Sakurai et al.[S14] |
| 512 ~ 523 | The 7 data points with CeO2 and 5 with MgO which are from Fig 7a. Data with ZrO2 (in Fig.8) are not included in the data sheet | ZrO2 = 0 | Chenu et al.[S15] |
| 597~ 729 | (1) CeO2:ZrO2 = 58:42, not indicate molar or mass ratio  (2) Pt = 2 wt% for all the tests (see Abstract), but in the data sheet Pt wt% varies in 0.7 ~ 4.1 %.  (3) The turnover rate was shown in all the figures in paper, not consistent with CO conversion (%). | To be corected | Radhakrishnan et al.[S20] |

Data to be checked:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Promoter** | | | | |
| Max. | **Ce** | **Co** | **K** | **Ni** | **Ca** |
| wt% | 40 | 20 | 4.3 | 15 | 10 |
| mole % | 82.0 | 30.3 | 52.8 | 23.5 | 32.3 |

Duplicated rows to be checked.

|  |  |  |
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| Index | RowNum-1 | RowNum-2 |
| 1 | #25 | #7 |
| 2 | #28 | #10 |
| 3 | #31 | #13 |
| 4 | #34 | #8 |
| 5 | #37 | #11 |
| 6 | #40 | #14 |
| 7 | #43 | #9 |
| 8 | #46 | #12 |
| 9 | #49 | #15 |
| 10 | #102 | #54 |
| 11 | #114 | #110 |
| 12 | #191 | #176 |
| 13 | #291 | #286 |
| 14 | #292 | #287 |
| 15 | #293 | #288 |
| 16 | #294 | #289 |
| 17 | #295 | #290 |
| 18 | #379 | #326 |
| 19 | #383 | #330 |
| 20 | #384 | #331 |
| 21 | #386 | #333 |
| 22 | #403 | #402 |
| 23 | #588 | #585 |
| 24 | #595 | #590 |
| 25 | #634 | #623 |
| 26 | #696 | #688 |
| 27 | #721 | #720 |
| 28 | #1158 | #1088 |
| 29 | #1159 | #1089 |
| 30 | #1160 | #1090 |
| 31 | #1162 | #1092 |
| 32 | #1191 | #930 |
| 33 | #1193 | #931 |
| 34 | #1194 | #932 |
| 35 | #1195 | #933 |
| 36 | #1196 | #934 |
| 37 | #1197 | #935 |
| 38 | #1200 | #940 |
| 39 | #1333 | #838 |
| 40 | #2198 | #2184 |
| 41 | #2199 | #2185 |
| 42 | #2300 | #2299 |
| 43 | #2301 | #2300 |
| 44 | #2302 | #2301 |
| 45 | #2303 | #2302 |
| 46 | #2305 | #2303 |
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| 48 | #2369 | #2368 |
| 49 | #2372 | #2371 |
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