

# Characteristics of 10-Methacryloyloxydecyl Dihydrogen Phosphate Monomer in Self-Etching Two-Bottled Dental Adhesive System: Comparison with Commercial Products

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**Table S1.** Thickness of bonding agent ( $\mu\text{m}$ ). The same letters mean no significant differences.

| Nexo            | Clearfil           | Unifil          | AdheSE          |
|-----------------|--------------------|-----------------|-----------------|
| $5.0 \pm 1.4^b$ | $6.5 \pm 2.5^{ab}$ | $5.5 \pm 2.8^b$ | $8.9 \pm 2.5^a$ |

**Table S2.** Water sorption ( $\mu\text{g}/\text{mm}^3$ ). The same letters mean no significant differences.

| Nexo               | Clearfil           | Unifil             | AdheSE             |
|--------------------|--------------------|--------------------|--------------------|
| $67.40 \pm 1.96^d$ | $78.94 \pm 3.32^c$ | $85.18 \pm 4.56^b$ | $95.37 \pm 0.64^a$ |

**Table S3.** Water solubility ( $\mu\text{g}/\text{mm}^3$ ). The same letters mean no significant differences.

| Nexo              | Clearfil           | Unifil            | AdheSE            |
|-------------------|--------------------|-------------------|-------------------|
| $5.83 \pm 0.49^c$ | $12.71 \pm 0.46^a$ | $8.74 \pm 0.64^b$ | $9.53 \pm 1.14^b$ |

**Table S4.** Shear-bond strength to enamel (MPa). The same letters mean no significant differences.

| Nexo                  | Clearfil           | Unifil                | AdheSE             |
|-----------------------|--------------------|-----------------------|--------------------|
| $20.66 \pm 4.81^{ab}$ | $24.30 \pm 7.56^a$ | $18.20 \pm 5.96^{bc}$ | $12.53 \pm 6.34^c$ |

**Table S5.** Shear-bond strength to dentin (MPa). The same letters mean no significant differences.

| Nexo               | Clearfil           | Unifil             | AdheSE             |
|--------------------|--------------------|--------------------|--------------------|
| $17.22 \pm 5.50^a$ | $22.40 \pm 9.19^a$ | $22.14 \pm 7.34^a$ | $19.51 \pm 7.38^a$ |

**Table S6.** MTT assay (% of negative control). The same letters mean no significant differences.

| Nexo                  | Clearfil           | Unifil             | AdheSE             |
|-----------------------|--------------------|--------------------|--------------------|
| $71.66 \pm 2.58^{ab}$ | $69.78 \pm 2.49^b$ | $86.19 \pm 8.79^a$ | $60.89 \pm 3.27^b$ |

100% of extraction from specimen.

**Table S7.** MTT assay (% of negative control). The same letters mean no significant differences.

| Nexo                  | Clearfil              | Unifil             | AdheSE             |
|-----------------------|-----------------------|--------------------|--------------------|
| $81.49 \pm 1.50^{ab}$ | $77.25 \pm 2.15^{ab}$ | $89.46 \pm 4.26^a$ | $72.82 \pm 7.26^b$ |

Extraction and non-serum media ratio is 1:2.



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