

composition of the four organic principles which we have considered in the preceding paragraphs. It is offered, not only as an example of the boundless subject of the Chemistry of Organization, but as an instance of the mode by which we conceive, that department of Chemistry may be best elucidated.

| Substances Crystallizable. |              | Substances not Crystallizable. |         |
|----------------------------|--------------|--------------------------------|---------|
|                            | Carbon.      |                                | Carbon. |
| SUGAR, from Starch . . . . | 36.20        | STARCH, Arrowroot in its       | 36.4    |
| from Honey . . . .         | 36.36        | ordinary state . .             | 63.6    |
| East India Moist . .       | 40.88        | from Wheat, in its             | 62.5    |
| Beet root and Maple        | 42.10        | ordinary state . .             |         |
| English Refined . .        | 41.5 to 42.5 | ditto, ditto, dried            | 42.8    |
| Pure Sugar Candy .         | 42.85        | at 212° . . . .                | 57.2    |
| ACETIC ACID . . . . .      | 47.05        | . . . . .                      |         |
| . . . . .                  |              | LIGNIN, in its ordinary state  | 42.7    |
| . . . . .                  |              | of dryness . . . .             | 57.3    |
| . . . . .                  |              | from Willow, dried             | 49.8    |
| . . . . .                  |              | at 212° . . . .                | 50.2    |
| . . . . .                  |              | from Box, ditto . .            | 50      |