

## #23 Dziwnie Uwarzone Pale Ale (DUPA)

- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **51**
- SRM **9.8**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **10.9 liter(s)**
- Trub loss **7 %**
- Size with trub loss **12.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **1 %/h**
- Boil size **12.6 liter(s)**

### Fermentables

| Type           | Name             | Amount        | Yield | EBC |
|----------------|------------------|---------------|-------|-----|
| Liquid Extract | Bruntal Pale Ale | 1.7 kg (100%) | 80 %  | 35  |

### Hops

| Use for | Name               | Amount | Time     | Alpha acid |
|---------|--------------------|--------|----------|------------|
| Boil    | Challenger UK 2017 | 16 g   | 60 min   | 7.4 %      |
| Boil    | Challenger UK 2017 | 16 g   | 20 min   | 7.4 %      |
| Boil    | Oktawia PL 2017    | 12.5 g | 10 min   | 9.2 %      |
| Dry Hop | Oktawia PL 2017    | 37.5 g | 5 day(s) | 9.2 %      |
| Dry Hop | Challenger UK 2017 | 18 g   | 5 day(s) | 7.4 %      |

### Yeasts

| Name                                     | Type | Form | Amount | Laboratory      |
|--|------|------|--------|-----------------|
| Mangrove Jack's M42 New World Strong Ale | Ale  | Dry  | 10 g   | Mangrove Jack's |