

## APAcze tylko... (Warka 2)

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **33**
- SRM **11**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **3 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **6 %/h**
- Boil size **28.5 liter(s)**

### Fermentables

| Type           | Name                                | Amount        | Yield | EBC |
|----------------|-------------------------------------|---------------|-------|-----|
| Liquid Extract | Bruntal Pale Ale                    | 3.4 kg (80%)  | 80 %  | 35  |
| Liquid Extract | Bruntal ekstrakt słodowy pszeniczny | 0.85 kg (20%) | 80 %  | 38  |

### Hops

| Use for             | Name      | Amount | Time     | Alpha acid |
|---------------------|-----------|--------|----------|------------|
| Boil                | Simcoe    | 15 g   | 20 min   | 14 %       |
| Boil                | Cascade   | 30 g   | 10 min   | 8.3 %      |
| Boil                | El Dorado | 30 g   | 6 min    | 11 %       |
| Boil                | Citra     | 20 g   | 2 min    | 12.8 %     |
| Aroma (end of boil) | Citra     | 30 g   | 1 min    | 12.8 %     |
| Aroma (end of boil) | Cascade   | 20 g   | 1 min    | 8.3 %      |
| Aroma (end of boil) | El Dorado | 20 g   | 1 min    | 11 %       |
| Dry Hop             | Simcoe    | 25 g   | 5 day(s) | 14 %       |
| Dry Hop             | El Dorado | 30 g   | 5 day(s) | 11 %       |
| Dry Hop             | Cascade   | 30 g   | 5 day(s) | 8.3 %      |
| Dry Hop             | Citra     | 20 g   | 5 day(s) | 12.8 %     |

### Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 12 g   | Safale     |

### Extras

| Type  | Name                 | Amount | Use for  | Time |
|-------|----------------------|--------|----------|------|
| Other | Glukoza krystaliczna | 180 g  | Bottling | ---  |