

## APA z ekstraktów

- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **45**
- SRM **8.9**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **28.3 liter(s)**

### Fermentables

| Type           | Name             | Amount       | Yield | EBC |
|----------------|------------------|--------------|-------|-----|
| Liquid Extract | Bruntal          | 1.7 kg (50%) | 81 %  | 26  |
| Liquid Extract | Bruntal Pale Ale | 1.7 kg (50%) | 80 %  | 35  |

### Hops

| Use for             | Name                   | Amount | Time   | Alpha acid |
|---------------------|------------------------|--------|--------|------------|
| Boil                | Columbus/Tomahawk/Zeus | 18 g   | 60 min | 15.5 %     |
| Aroma (end of boil) | Cascade                | 45 g   | 15 min | 6 %        |

### Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.5 g | ---        |