

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 | --- |