

ipa

- Gravity **11.9 BLG**
- ABV ---
- IBU **17**
- SRM **40**
- Style **American Brown Ale**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **10 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **22.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size --- **liter(s)**
- Total mash volume --- **liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|---------------------------------|--------------|-------|-----|
| Liquid Extract | ekstrakt słodowy ciemny Bruntal | 1.7 kg (50%) | 90 % | 621 |
| Liquid Extract | ekstrakt słodowy jasny | 1.7 kg (50%) | 90 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------|--------|--------|------------|
| Aroma (end of boil) | Citra | 10 g | 15 min | 12 % |
| Boil | Challenger | 10 g | 60 min | 7 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------|------|------|--------|------------|
| uniwersalne ale | Ale | Dry | 100 g | --- |