

Konfederackie

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **32**
- SRM **12.9**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|----------------------------|----------------|-------|-----|
| Liquid Extract | WES ekstrakt słodowy jasny | 1.7 kg (77.3%) | 80 % | 45 |
| Liquid Extract | WES ekstrakt słodowy jasny | 0.5 kg (22.7%) | 80 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|--------|--------|------------|
| Boil | Mackinac | 10 g | 20 min | 12 % |
| Boil | Sabro | 10 g | 15 min | 15 % |
| Aroma (end of boil) | Idaho 7 | 10 g | 5 min | 12.7 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 8 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|-------------------------------------|--------|---------|--------|
| Spice | Skórki suszonej gorzkiej pomarańczy | 20 g | Boil | 10 min |
| Fining | Mech Irlandzki | 6 g | Boil | 5 min |