

## Extra APA

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **30**
- SRM **5.1**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.4 liter(s)**
- Boil time **15 min**
- Evaporation rate **10 %/h**
- Boil size **28.3 liter(s)**

### Fermentables

| Type           | Name                                | Amount         | Yield | EBC |
|----------------|-------------------------------------|----------------|-------|-----|
| Liquid Extract | WES ekstrakt słodowy jasny          | 3.4 kg (66.7%) | 80 %  | --- |
| Liquid Extract | Bruntal ekstrakt słodowy pszeniczny | 1.7 kg (33.3%) | 80 %  | 30  |

### Hops

| Use for             | Name                   | Amount | Time   | Alpha acid |
|---------------------|------------------------|--------|--------|------------|
| Boil                | Columbus/Tomahawk/Zeus | 15 g   | 15 min | 15.5 %     |
| Boil                | Columbus/Tomahawk/Zeus | 20 g   | 10 min | 15.5 %     |
| Boil                | Citra                  | 10 g   | 10 min | 12 %       |
| Boil                | Citra                  | 30 g   | 5 min  | 12 %       |
| Aroma (end of boil) | Citra                  | 35 g   | 0 min  | 12 %       |
| Aroma (end of boil) | Ahtanum                | 15 g   | 0 min  | 5 %        |
| Aroma (end of boil) | falconer's flight      | 15 g   | 0 min  | 10 %       |
| Whirlpool           | falconer's flight      | 15 g   | 0 min  | 10 %       |
| Whirlpool           | Sorachi Ace            | 15 g   | 0 min  | 10 %       |
| Whirlpool           | Columbus/Tomahawk/Zeus | 15 g   | 0 min  | 15.5 %     |

### Yeasts

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

### Notes

- 13 blg 23 litry, 3 blg przy butelkowaniu.  
*May 4, 2018, 5:34 PM*