

# Zandka APA

- Gravity **16.6 BLG**
- ABV ---
- IBU **46**
- SRM **77.3**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23.3 liter(s)**

## Fermentables

| Type           | Name                   | Amount         | Yield | EBC |
|----------------|------------------------|----------------|-------|-----|
| Liquid Extract | ekstrakt słodowy jasny | 3.4 kg (82.9%) | 90 %  | 621 |
| Liquid Extract | Pszeniczny             | 0.7 kg (17.1%) | 85 %  | 4   |

## Hops

| Use for             | Name    | Amount | Time     | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil                | Mosaic  | 5 g    | 60 min   | 10 %       |
| Boil                | Mosaic  | 5 g    | 30 min   | 10 %       |
| Boil                | Mosaic  | 10 g   | 20 min   | 10 %       |
| Boil                | Mosaic  | 10 g   | 15 min   | 10 %       |
| Boil                | Cascade | 10 g   | 15 min   | 6 %        |
| Boil                | Citra   | 10 g   | 15 min   | 12 %       |
| Boil                | Mosaic  | 10 g   | 10 min   | 10 %       |
| Boil                | Cascade | 10 g   | 10 min   | 6 %        |
| Boil                | Citra   | 10 g   | 10 min   | 12 %       |
| Boil                | Mosaic  | 10 g   | 5 min    | 10 %       |
| Boil                | Cascade | 10 g   | 5 min    | 6 %        |
| Boil                | Citra   | 10 g   | 5 min    | 12 %       |
| Aroma (end of boil) | Citra   | 10 g   | -2 min   | 12 %       |
| Aroma (end of boil) | Cascade | 10 g   | -2 min   | 6 %        |
| Whirlpool           | Cascade | 20 g   | ---      | 6 %        |
| Dry Hop             | Cascade | 40 g   | 8 day(s) | 6 %        |
| Dry Hop             | Citra   | 20 g   | 8 day(s) | 12 %       |

## Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
| us05 | Ale  | Dry  | 11.5 g | jakieś     |